

**Product: 55 - Food - Animal Products and Poultry Products, Beef Bos sp**

Recommended Scientific Name Bos taurus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Beef allergen; Beef allergy; Beef immunotherapy  
Google: beef extract; beef extract adverse

Nomenclature

According to ITIS, there are five species within the genus of Bos. The domestic cow is Bos taurus. According to dictionary.com beef is the correct common name for a processed cow. The Bos genus is found within the Bovinae subfamily and Bovidae family.

Parent Product

55 - Food - Animal Products and Poultry Products, Beef Bos sp

Published Data

There are three papers that use beef extract in skin prick tests to diagnose beef allergy. One clinical study (PubMed ID: 12487201) of 34 patients suggests that both commercial and fresh beef extracts are effective in diagnosing beef allergy. Another clinical study (PubMed ID: 12622743) of 12 patients claims that skin prick tests do not accurately diagnose beef allergy. These two studies used commercial beef extracts from two different companies, which might explain the difference in the study outcomes. Fiocchi (PubMed ID: 12487201) noted that the processing method could influence the extract composition and presentation. One case report (PubMed ID: 14982516) showed matching results of positive skin prick test and positive beef-specific IgE.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
55_ Ann Allergy Asthma Immunol 89(6 suppl 1)-26.pdf	12487201	Fiocchi, A.	2002
55_ Allergy 58-127.pdf	12622743	Orhan, F.	2003
55_ Biosci Biotechnol Biochem 64-1887.pdf	11055392	Han, G.D.	2000
55_ allergy 59-327.pdf	14982516	Fuentes, M.M.	2004
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 56 - Food - Animal Products and Poultry Products, Chicken Meat Gallus sp.**

**Recommended Scientific Name** Gallus gallus

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Allermed Laboratories, Inc. - San Diego, CA (Lic. No. 467, STN No. 102211)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: chicken meat and allergy; chicken meat and allergen  
Google: chicken meat allergen extract; chicken meat allergen extract adverse

**Nomenclature**

According to ITIS, there are four species within the Gallus genus. The species are G. gallus, G. lafayettii, G. sonneratii, and G. varius. The Gallus genus is found in the Phasianianae subfamily and Phasianidae family. Gallus gallus is the species commonly used for meat.

**Parent Product**

56 - Food - Animal Products and Poultry Products, Chicken Meat Gallus sp.

**Published Data**

Vila (PMID: 10782519) presented a positive SPT case report using chicken meat extract. Monosensitization was demonstrated by IgE and confirmed by means of challenge. Liccardi (PMID: 9338556) presented a positive SPT and PPT case report to chicken meat. Quirce (PMID: 11488669) presented 8 out of 8 positive SPT to chicken meat. None of these papers listed the genus and species of the extract reported. PMID 16933414, identified a positive SPT to Gallus gallus domesticus extract in an allergic individual.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
56_ Ann Allergy Asthma Immunol. 80-195.pdf	10782519	Vila, L.	1998
56_ J Allergy Clin Immunol 100-577.pdf	9338556	Liccardi, G.	1997
56_ Allergy 56-754.pdf	11488669	Quirce, S.	2001
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998
56_ wmj105-50.pdf	16933414		2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 57 - Food - Animal Products and Poultry Products, Duck Meat Anas sp.**

**Recommended Scientific Name** Anas platyrhynchos

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: duck meat and allergy; duck meat and allergen

Google: duck meat allergen extract; Anas meat allergen extract; duck meat allergen extract adverse

**Nomenclature**

According to ITIS, there are over 40 species within the Anas genus. Anas platyrhynchos is a commonly eaten species with the common name of mallard. Anas oustaleti is listed as a synonym. There are three subspecies of A. platyrhynchos listed: conboschas, diazi, and platyrhynchos. The Anas genus is found in the Anatinae subfamily and Anatidae family.

**Parent Product**

57 - Food - Animal Products and Poultry Products, Duck Meat Anas sp.

**Published Data**

Not much information on allergy to duck meat. One case report (PMID 9756209) of two patients allergic to chicken and turkey meat also showed possible crossreactivity to duck meat on immunoblot inhibition assay. A case report (PMID 9638487) showed weak SPT positive reaction to duck meat.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
57_ Cli Exp Allergy 28-1026.pdf	9756209	Cahen, Y.D.	1998
61_ Int Arch Occup Environ Health 71-289.pdf	9638487	Iliev, D.	1998

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 58 - Food - Animal Products and Poultry Products, Egg, White Gallus sp.**

**Recommended Scientific Name** Gallus gallus

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Egg white allergen extract  
Google: Egg white allergen extract; Egg white allergen extract adverse

**Nomenclature**

According to ITIS, there are four species within the Gallus genus. The species are G. gallus, G. lafayettii, G. sonneratii, and G. varius. The Gallus genus is found in the Phasianianae subfamily and Phasianidae family. Gallus gallus is the species commonly used for meat.

**Parent Product**

58 - Food - Animal Products and Poultry Products, Egg, White Gallus sp.

**Published Data**

Escudero (PMID 12823120) evaluated whether egg white proteins were associated with inhalation allergies in bakery workers. Four bakery workers were tested using commercially supplied egg white extracts. Four out of four workers tested positive by SPT to egg whites and positive to specific IgE against egg whites. Quirce (PMID 3872087) studied two patients who experienced respiratory and food allergenic symptoms upon exposure to egg or avian antigens. Two out of two patients tested positive by SPT to egg white using a commercially available extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
58_ Allergy 58-616.pdf	12823120	Escudero, C.	2003
60_ Ann Allergy 54-245.pdf	3872087	de Maat-Bleeker, F.	1985

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 59 - Food - Animal Products and Poultry Products, Egg, Whole Gallus sp.**

**Recommended Scientific Name** Gallus gallus

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Egg allergen extract; Egg whole allergen extract; Egg whole allergy extract; Egg whole allergy  
Google: Egg allergen extract; egg allergen extract adverse

**Nomenclature**

According to ITIS, there are four species within the Gallus genus. The species are G. gallus, G. lafayettii, G. sonneratii, and G. varius. The Gallus genus is found in the Phasianianae subfamily and Phasianidae family. Gallus gallus is the species commonly used for meat.

**Parent Product**

59 - Food - Animal Products and Poultry Products, Egg, Whole Gallus sp.

**Published Data**

Kemp (PMID: 18078424) reports 5 cases of egg allergies. The 5 cases were positive to SPT. Appears as if egg given in SPT testing was food not extract. Paper cannot be used to support efficacy. Perackis (PMID: 15461611) compares use of whole egg verses egg white in fresh foods for use in SPT. The correlation of skin index of egg white against whole eggs was  $r=0.68$  with a  $p=0.001$ . This paper cannot be used to support efficacy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
60_ J Allergy Clin Immunol 93-932.pdf	8182236	Szepfalusi Z	1994
59_ Pediatr Allergy Immunol 18-696.pdf	18078424	Kemp, A.S.	2007
59_ Allergy 59-1236.pdf	15461611	Perackis, K.	2004

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 60 - Food - Animal Products and Poultry Products, Egg, Yolk Gallus sp.**

**Recommended Scientific Name** Gallus gallus

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: egg yolk and allergy; egg yolk and allergen

Google: egg yolk and allergy; egg yolk and allergy adverse

**Nomenclature**

According to ITIS, there are four species within the Gallus genus. The species are G. gallus, G. lafayettii, G. sonneratii, and G. varius. The Gallus genus is found in the Phasianianae subfamily and Phasianidae family. Gallus gallus is the species commonly used for meat.

**Parent Product**

60 - Food - Animal Products and Poultry Products, Egg, Yolk Gallus sp.

**Published Data**

Panel I stated that egg white (pg 3245) should suffice as an allergen. However, two case reports suggest that egg yolk has different antigens than egg white. There are cases of individuals allergic to egg yolk, but not to egg white, or vice versa. Szepfulusi (PMID: 8182236) reports on a study of 13 out of 31 patients who participated in the clinical study tested positive by SPT and RAST to egg yolk extract.

Maat-Bleeker (PMID: 3872087) reports on a patient with a positive SPT to egg yolk extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
60_ Ann Allergy 54-245.pdf	3872087	de Maat-Bleeker, F.	1985
60_ J Allergy Clin Immunol 93-932.pdf	8182236	Szepfulusi Z	1994

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 61 - Food - Animal Products and Poultry Products, Lamb Ovis aries**

**Recommended Scientific Name** Ovis aries

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: Lamb meat and allergen; lamb meat and allergy  
Google: Lamb allergy; lamb extract allergy; lamb allergy adverse

**Nomenclature**

According to ITIS, the scientific name, Ovis aries, is correct and current. Common names are listed as mouflon and sheep (feral). According to dictionary.com lamb is a young sheep, the common name is acceptable. Synonyms are listed as: O. aries musimon, O. aries ophion, O. musimon, O. musimon musimon, O. musimon ophion, O. opion, and O. orientalis. The Ovis genus is found in the Caprinae subfamily and Bovidae family.

**Parent Product**

61 - Food - Animal Products and Poultry Products, Lamb Ovis aries

**Published Data**

In three case reports (PMID 9638487, 15727599, 16261963), positive SPT to lamb meat was used in diagnosing contact dermatitis and food allergy. Species was not identified in these publications.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
61_ Int Arch Occup Environ Health 71-289.pdf	9638487	Iliev, D.	1998
61_ Allergy 60-545.pdf	15727599	Welt, K.	2005
61_ J Invest Allergol Clin Immunol 15-228.pdf	16261963	Fuentes Aparicio, V.	2005

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 62 - Food - Animal Products and Poultry Products, Liver, Beef Bos spp**

Recommended Scientific Name Bos taurus

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: beef liver and allergy; beef liver and allergen

Google: Beef liver allergy; beef liver allergen; beef liver adverse

Nomenclature

According to ITIS, there are five species within the genus of Bos. The domestic cow is Bos taurus. According to dictionary.com beef is the correct common name for a processed cow. The common name is correct and current. The scientific name needs to be updated. The Bos genus is found within the Bovinae subfamily and Bovidae family.

Parent Product

62 - Food - Animal Products and Poultry Products, Liver, Beef Bos spp

Published Data

One case report (PMID: 10439524) was found associated with meat allergies. Patient had positive SPT for lamb liver and ox liver.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
62_ Australas J Dermatol 40-138.pdf	10439524	Kumar, A.	1999

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 63 - Food - Animal Products and Poultry Products, Pork Sus scrofa (or Sus sp)**

**Recommended Scientific Name** Sus scrofa

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: pork meat and allergy; pork meat and allergen  
Google: Pork meat allergy; pork meat allergen; pork meat allergy adverse

**Nomenclature**

According to ITIS, the scientific name, Sus scrofa is correct and current. The common names are listed as pig and wild boar. According to dictionary.com pork is the flesh of a pig or hog used for food. This common name is acceptable. The Sus genus is found in the Suinae subfamily and Suidae family.

**Parent Product**

63 - Food - Animal Products and Poultry Products, Pork Sus scrofa (or Sus sp)

**Published Data**

Four case reports of pork meat related allergy were found (PMID 12269950, 16261963, 9638487, 15230829). Two reports of pork extract for skin prick tests followed by oral and/or bronchial challenge (PMID 16261963, 15230829).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
63_ allergy 57-960.pdf	12269950	Atanasković-Marković,	2002
61_ J Invest Allergol Clin Immunol 15-228.pdf	16261963	Fuentes Aparicio, V.	2005
61_ Int Arch Occup Environ Health 71-289.pdf	9638487	Iliev, D.	1998
63_ allergy 59-893.pdf	15230829	Labrecque, M.	2004

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 64 - Food - Animal Products and Poultry Products, Rabbit *Oryctolagus cuniculus***

**Recommended Common Name** European rabbit

**Recommended Scientific Name** *Oryctolagus cuniculus*

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: rabbit meat and allergy; rabbit meat and allergen

Google: Rabbit meat allergy; rabbit meat allergen; rabbit meat adverse

**Nomenclature**

According to ITIS, the scientific name, *Oryctolagus cuniculus*, is correct and current. The common name is European rabbit. There are six subspecies. *O. cuniculus algirus*, *O. cuniculus brachyotus*, *O. cuniculus cossius*, *O. cuniculus cuniculus*, *O. cuniculus habetensis*, and *O. cuniculus huxleyi*. The *Oryctolagus* genus is found in the Leporidae family.

**Parent Product**

64 - Food - Animal Products and Poultry Products, Rabbit *Oryctolagus cuniculus*

**Published Data**

Two case reports (PMID 16261963, 12622753) used rabbit meat extract for diagnosis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
61_ J Invest Allergol Clin Immunol 15-228.pdf	16261963	Fuentes Aparicio, V.	2005
64_ allergy 58-161.pdf	12622753		2002

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 65 - Food - Animal Products and Poultry Products, Turkey Meat Meleagris gallopavo**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: turkey meat and allergy; turkey meat and allergen

Google: Turkey meat allergy; turkey meat allergen; turkey meat allergy adverse; turkey meat adverse

**Nomenclature**

According to ITIS, the scientific name, Meleagris gallopavo, is correct and current. Common name is listed as wild turkey. There are six subspecies listed: M. gallopavo gallopavo, M. gallopavo intermedia, M. gallopavo merriami, M. gallopavo mxicana, M. gallopavo Osceola, and M. gallopavo silvestris. The Meleagris genus is found in the Meleagridinae subfamily and Phasianidae family.

**Parent Product**

65 - Food - Animal Products and Poultry Products, Turkey Meat Meleagris gallopavo

**Published Data**

Allergy to turkey meat is rare. Three publications describe a total of 6 cases of allergy to turkey (PMID 9756209, 10400862, 9788695). In all the cases, there are crossreactivity of allergens in avian meat and positive skin prick test with turkey meat.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
57_ Cli Exp Allergy 28-1026.pdf	9756209	Cahen, Y.D.	1998
65_ J Allergy Clin Immunol 104-202.pdf	10400862	Kelso, J.M.	1999
65_ allergy 53-903.pdf	9788695		0

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 66 - Food - Animal Products and Poultry Products, Veal**

Recommended Common Name      Veal

Recommended Scientific Name      Bos taurus

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: veal meat and allergy; veal meat and allergen; veal allergy

Google: veal allergy; veal meat allergy; veal meat allergen; veal meat adverse

Nomenclature

According to ITIS, there are five species within the genus of Bos. The domestic cow is Bos taurus. According to dictionary.com veal is calf meat, so should be designated Bos taurus. The Bos genus is found within the Bovinae subfamily and Bovidae family.

Parent Product

66 - Food - Animal Products and Poultry Products, Veal

Published Data

Most publications did not differentiate between beef and veal. One report (PMID 12169186) used extracts of veal and other meats to diagnose allergy in 2 individuals. Patients were positive for meats and had specific IgE of 23.1 and 1.35 for veal.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
66_ Allergy 57 - 858.pdf	12169186	Benito, R.P.	2002

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 67 - Food - Animal Products and Poultry Products, Venison Odocoileus sp.**

Recommended Scientific Name Odocoileus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: venison allergy; Deer allergy; Odocoileus

Google: venison allergy; deer allergy; odocoileus allergy; venison allergy adverse; deer allergy adverse; odocoileus allergy adverse

Nomenclature

Venison is the modern term for the flesh of a deer used as food. There are two species of Odocoileus in ITIS. Odocoileus hemionus (common name, white-tailed deer). Odocoileus hemionus (common name, mule deer). The flesh of several other species could also be considered venison including: Cervus elaphus (American elk or wapiti in the US, red deer in Europe and Asia) or Alces alces (Eurasian elk or Moose)..

[http://www.vertebrates.si.edu/msw/mswcfapp/msw/taxon\\_browser.cfm?msw\\_id=12751](http://www.vertebrates.si.edu/msw/mswcfapp/msw/taxon_browser.cfm?msw_id=12751)

Parent Product

67 - Food - Animal Products and Poultry Products, Venison Odocoileus sp.

Published Data

One report (PMID: 11869215) of venison contact dermatitis was found. Diagnosis was made using fresh meat, blood, and organs. This article does not support efficacy of this product.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
67_ Aust J Derma 43-72.pdf	11869215	Reiche, L.	2002

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 68 - Food - Dairy Products, Casein, Cow's Milk**

**Recommended Scientific Name** Bos taurus

**Manufacturers of this Product**

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: milk allergy

Google: milk allergy; milk allergy adverse

**Nomenclature**

According to ITIS, there are five species within the genus of Bos. The domestic cow is Bos taurus. Separation of whey and casein can occur by centrifugation ([http://classes.aces.uiuc.edu/AnSci308/Milkcompsynth/milkcomp\\_protein.html](http://classes.aces.uiuc.edu/AnSci308/Milkcompsynth/milkcomp_protein.html)) or by acid precipitation. Casein is a mixtures of phosphoproteins and will precipitate out in the presence of acid ([http://drinc.ucdavis.edu/dairychem2\\_new.htm](http://drinc.ucdavis.edu/dairychem2_new.htm)).

**Parent Product**

68 - Food - Dairy Products, Casein, Cow's Milk

**Published Data**

A paper (PMID: 14616871) reported that 18 children that were cow's milk allergic (12 of which were DBPCFC positive) were tested with a casein extract, 15 had a positive reaction to casein.

PMID 12897287: Of 24 cow's milk allergic children (11 DBPCFC positive) 14 had a positive SPT to casein. Of those 14 only 4 were DBPCFC positive to cow's milk.

(Casein is a product manufactured from cow's milk prior to extraction.)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
70_ Pediatrics 112 - 359.pdf	12897287	Fiocchi, A.	2003
68_ Clin Exp Allergy 33 - 1576.pdf	14616871	Fiocchi, A.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 69 - Food - Dairy Products, Lactalbumin alpha, Cow's Milk**

Recommended Scientific Name Bos taurus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: milk allergy

Google: milk allergy; milk allergy adverse

Nomenclature

According to ITIS, there are five species within the genus of Bos. The domestic cow is Bos taurus. Alpha-lactalbumin is a whey protein and appears to be a minor cow's milk allergen.

Parent Product

69 - Food - Dairy Products, Lactalbumin alpha, Cow's Milk

Published Data

Two papers (PMID 12897287, 14616871) were identified where study subjects had cow's milk allergy. Of 42 milk-allergic people tested with alpha-lactalbumin extract 30 had a positive response.

(Alpha-lactalbumin is a product manufactured from cow's milk prior to extraction.)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
70_ Pediatrics 112 - 359.pdf	12897287	Fiocchi, A.	2003
68_ Clin Exp Allergy 33 - 1576.pdf	14616871	Fiocchi, A.	2003

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 70 - Food - Dairy Products, Milk, Whole Cow's**

Recommended Scientific Name Bos taurus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: milk allergy  
Google: milk allergy; milk allergy adverse

Nomenclature

According to ITIS, there are five species within the genus of Bos. The domestic cow is Bos taurus.

Parent Product

70 - Food - Dairy Products, Milk, Whole Cow's

Published Data

The prevalence of cow's milk allergy in infants and children is between 2.0 and 2.5%. Children typically lose their sensitivity within the first 3-5 years of life. Proteins in cow's milk are divided into 2 groups: the caseins, which constitute 80% of the total protein, and whey proteins, which constitute 20% of the total protein.

Looking at milk extract versus milk used for skin prick tests, milk faired slightly better than milk extracts. Commercial milk extract had 10 true positives, 49 true negatives, 27 false positives, and 19 false negative results; whereas, crude milk extract had 15 true positives, 59 true negatives, 22 false positives, and 19 false negative results. True positives and false positives were determined by DBPCFC. (PMIDs 12402374, 12754457, 12897287)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
295_ Yonsei Med J 43 - 2002.pdf	12402374	Kim, T.E.	2002
70_ Minerva Pediatr 55 - 129.pdf	12754457	Cantani, A.	2003
70_ Pediatrics 112 - 359.pdf	12897287	Fiocchi, A.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 71 - Food - Dairy Products, Whey, Cow's Milk**

Recommended Scientific Name Bos taurus

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Whey allergy

ISI: whey and allergy

Google: whey allergy; whey allergy adverse

Nomenclature

According to ITIS, there are five species within the genus of Bos. The domestic cow is Bos taurus.

Parent Product

71 - Food - Dairy Products, Whey, Cow's Milk

Published Data

There are no known published data using whey extracts to diagnose allergy.

(Whey is a product manufactured from cow's milk prior to extraction.)

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 72 - Food - Fish and Shellfish, Bass, Black Centropristis striata**

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: Bass and allergy; Bass and allergen; centropristis and allergy; centropristis and allergen

Google: bass allergy adverse: centropristis allergy adverse

**Nomenclature**

According to Fishbase, the scientific name, Centropristis striata, is correct and current. The common name is listed as black bass. The Centropristis genus is found in the Serranidae family.

**Parent Product**

72 - Food - Fish and Shellfish, Bass, Black Centropristis striata

**Published Data**

35 patients were skin prick tested with 16 different commercial extracts including centropristis striatus: 15/35 had positive skin prick test; 14/39 had positive history (PMID: 8705636). Another paper used commercial bass extract (Dicentrarchus labrax) and showed in RAST-inhibition experiments the presence of cross-reacting antigen(s) in cod and bass. This paper shows cross-reactivity between 3 genera in the order perciformes (PMID: 2262645). One further publication had positive skin tests to bass extract, but did not define the species (PMID 11825013).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
72_ J microbiol Immunol Infect 34-301.pdf	11825013	Peng, Y.H.	2001
72_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 73 - Food - Fish and Shellfish, Bass, Black Huro floridana**

**Recommended Scientific Name** Huro, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Bass and allergy; Bass and allergen; huro floridana and allergy; huro floridana and allergen

Google: huro floridana; huro floridana allergy; huro floridana allergen; huro floridana adverse

**Nomenclature**

Fishbase and ITIS do not have Huro floridana listed. Fishbase lists Huro nigricans and Huro salmoides as synonyms of Micropterus salmoides. A Google search finds several references to Huro floridana.

**Parent Product**

73 - Food - Fish and Shellfish, Bass, Black Huro floridana

**Published Data**

In one publication 9 of 11 patients had positive skin prick tests to bass extract, but the species was undefined (PMID 1545094). Another paper used commercial bass extract (*Dicentrarchus labrax*) and showed in RAST-inhibition experiments the presence of cross-reacting antigen(s) in cod and bass. This paper shows cross-reactivity between 3 genera in the order perciformes (PMID: 2262645). One further publication had positive skin tests to bass extract, but did not define the species (PMID 11825013).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
72_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
72_ J microbiol Immunol Infect 34-301.pdf	11825013	Peng, Y.H.	2001

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 74 - Food - Fish and Shellfish, Bluefish Pomatomus saltatrix**

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: Blue fish and allergy; Blue fish and allergen; pomatomus and allergy; pomatomus and allergen; pomatomus saltatrix and allergy; pomatomus saltatrix and allergen

Google: blue fish allergy adverse; pomatomus allergy adverse; pomatomus allergen adverse

**Nomenclature**

According to Fishbase, the scientific name, Pomatomus saltatrix, and the common name, Bluefish, are correct and current. The Pomatomus genus is in the Pomatomidae family.

**Parent Product**

74 - Food - Fish and Shellfish, Bluefish Pomatomus saltatrix

**Published Data**

Although this is in the same order as several other fish that have been shown to cross-react (Perciformes), there are no known published data on this species.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category I	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 75 - Food - Fish and Shellfish, Carp *Cyprinus carpio***

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: Carp and allergy and skin; Carp and allergen and skin; Cyprinus and allergy and skin; Cyprinus and allergen and skin

Google: carp allergy adverse; carp allergen adverse; Cyprinus allergen adverse; Cyprinus allergy adverse

**Nomenclature**

According to Fishbase, the correct scientific name for *Cyprinus carpio* is *Cyprinus carpio carpio*. The common name is listed as common carp. *Cyprinus carpio* and carp are acceptable. The *Cyprinus* genus is found in the Cyprinidae family.

**Parent Product**

75 - Food - Fish and Shellfish, Carp *Cyprinus carpio*

**Published Data**

One paper was found on using carp extract for skin prick test (PMID 2262645). Five of the twenty children who were cod-positive were SPT positive to carp extract. None of the cod-negative children was SPT positive to carp extract. The SPT were repeated a year later and results stayed the same. No food challenge was done and clinical history was unclear. No other fish are being reviewed that are in the same order (Cypriniformes).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
75_J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 76 - Food - Fish and Shellfish, Catfish, Bullhead Ameiurus sp.**

**Recommended Scientific Name** Ameiurus, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: catfish and allergy; catfish and allergen

Ameiurus natalis and allergy; Ameiurus natalis and allergen; ameiurus and allergy; ameiurus and allergen

Google: catfish allergy adverse; catfish allergen adverse; Ameiurus allergen adverse; Ameiurus allergy adverse

**Nomenclature**

According to Fishbase, there are 8 valid species within the Ameiurus genus. The Ameiurus genus is found in the Ictaluridae family.

**Parent Product**

76 - Food - Fish and Shellfish, Catfish, Bullhead Ameiurus sp.

**Published Data**

There are plenty of clinical reports showing positive SPT with catfish extract and matching DBPCFC results. But the Genus/ species names of the catfish extracts were not mentioned.

PMID: 9470014: 8 people had positive skin prick test results to catfish, 4 were confirmed by oral challenge.

PMID: 9291417: 9 out of 10 people had positive SPT to catfish extract, 4 were confirmed positive by oral challenge, and 5 had convincing histories.

PMID: 8705636: Channel catfish (Ictalurus punctatus): 14/35 had positive skin prick test; 24/39 had positive history; and 11/21 positive RAST.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998
76_ Ann Allergy Asthma Immunol 79-131.pdf	9291417	James, J.M.	1997
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 77 - Food - Fish and Shellfish, Catfish, Channel or Blue Ictalurus catus**

**Recommended Scientific Name** Ictalurus, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Ictalurus catus, common name: Channel or white catfish; catfish and allergy; catfish and allergen; Ictalurus and allergy; Ictalurus and allergen

Google: Ictalurus allergy adverse; Ictalurus allergen adverse; same searches for catfish

**Nomenclature**

According to Fishbase, the correct scientific name for Ictalurus catus is Ameiurus catus. The common name is listed as 'White catfish'. This is in the same order as the Ictalurus catfish: siluriformes.

According to ITIS, Ictalurus punctatus is the current name for the channel catfish and Ictalurus furcatus is the current name for the blue catfish. The scientific and common names need to be updated.

**Parent Product**

77 - Food - Fish and Shellfish, Catfish, Channel or Blue Ictalurus catus

**Published Data**

PMID: 9470014: 8 people had positive skin prick test results to catfish, 4 were confirmed by oral challenge.

PMID: 9291417: 9 out of 10 people had positive SPT to catfish extract, 4 were confirmed positive by oral challenge, and 5 had convincing histories.

PMID: 8705636: Channel catfish (Ictalurus punctatus): 14/35 had positive skin prick test; 24/39 had positive history; and 11/21 positive RAST.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998
119_ Ann Allergy Asthma Immunol 79-131.pdf	9291417	James, J.M.	1997
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 78 - Food - Fish and Shellfish, Clam Mya**

**Recommended Common Name** Clam, softshell

**Recommended Scientific Name** Mya, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: clam and allergy; clam and allergen; mya arenaria and allergy; mya arenaria and allergen; mya and allergy; mya and allergen

Google: clam allergen adverse; clam allergy adverse; mya allergy adverse; mya allergen adverse

**Nomenclature**

According to ITIS, there is a family of clams called myidae in the order myoida. Within that family there are 5 different genera of clams, one of which is Mya. In the Mya genus there are nine species of softshell clams: Mya arenaria, M. baxteri, M. elegans, M. japonica, M. priapus, M. profundior, M. pseudoarenaria, M. truncate, and M. uzenensis.

**Parent Product**

78 - Food - Fish and Shellfish, Clam Mya

**Published Data**

PMID: 8059680: Paper referenced clam extracts for SPT from the family cardida (Cardida is not in ITIS). The paper includes many different types of seafood and non-seafood extracts. The data were not separated for individual seafood reactions.

PMID: 7499677: Clam extract (from Omega) were used for skin prick tests. (4 positive SPTs) Two were confirmed positive by inhalation challenge. This paper also looked for crossreactivity between clam and shrimp by RAST inhibition. Their inhibition was no different than the inhibition of guar gum on either. Further studies showed that guar gum inhibition was likely non-specific.

PMID: 15510583 Used Mercenaria mercenaria clam extract for SPT. About 10% of people tested had a positive SPT. No challenges were performed. Only one of 43 claimed to be allergic to clam. Mercenaria mercenaria are hardshell clams in the order veneroida.

PMID: 1558332: One patient with seafood allergy had postive SPT to clam extract. No mention of source or genus/species.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
78_ Allergol et Immunopathol 22-83.pdf	8059680	Castillo, R.	1994
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 79 - Food - Fish and Shellfish, Clam Mya Mercenaria mercenaria**

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: venus mercenaria and allergy; venus mercenaria and allergen; mercenaria mercenaria and allergy; mercenaria mercenaria and allergen; mercenaria and allergy; mercenaria and allergen

Google: mercenaria allergy adverse; mercenaria allergen adverse

**Nomenclature**

According to ITIS, the scientific name, Mercenaria mercenaria, is correct and current. The common name is listed as 'northern quahog'. According to dictionary.com quahog is 'an edible clam'. The common name is acceptable. Venus mercenaria is listed as a synonym. One subspecies is listed: Mercenaria mercenaria texana. The Mercenaria genus is found in the Veneridae family. Mercenaria mercenaria or venus mercenaria are not in the same order as the Mya family of softshell clams.

**Parent Product**

79 - Food - Fish and Shellfish, Clam Mya Mercenaria mercenaria

**Published Data**

PMID: 15510583 Used Mercenaria mercenaria clam extract for SPT. About 10% of people tested had a positive SPT. No challenges were performed. Only one of 43 claimed to be allergic to clam.

PMID: 7499677: Clam extract (from Omega) were used for skin prick tests. (4 positive SPTs) Two were confirmed positive by inhalation challenge. This paper also looked for crossreactivity between clam and shrimp by RAST inhibition. Their inhibition was no different than the inhibition of guar gum on either. Further studies showed that guar gum inhibition was likely non-specific.

PMID: 1558332: One patient with seafood allergy had positive SPT to clam extract. No mention of source or genus/species.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 80 - Food - Fish and Shellfish, Clam Mya Protheca staminez**

**Recommended Common Name** Clam, Pacific Littleneck

**Recommended Scientific Name** Protothaca staminea

**Manufacturers of this Product**

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

**Search Strategy**

Protheca staminez does not exist in PubMed, ITAS, or Google.

Correct spelling is: protothaca staminea.

PubMed: protothaca staminea; protothaca staminea allergy, protothaca staminea allergen; protothaca staminea allergy adverse, protothaca staminea allergen adverse

Google: protothaca staminea.

**Nomenclature**

According to ITIS, the correct spelling of Protheca staminez is Protothaca staminea. The common name is listed as 'Pacific littleneck'. The website ([http://peet.amnh.org/Western\\_Atlantic\\_Bivalves/families/list.html](http://peet.amnh.org/Western_Atlantic_Bivalves/families/list.html)) lists two families of bivalves (clams). The families are Veneridae (venus) and Myidae (mya). Protothaca staminea is in the Veneridae family, not the myidae.

**Parent Product**

80 - Food - Fish and Shellfish, Clam Mya Protheca staminez

**Published Data**

PMID: 7499677: Clam extract (from Omega) were used for skin prick tests. (4 positive SPTs) Two were confirmed positive by inhalation challenge. This paper also looked for crossreactivity between clam and shrimp by RAST inhibition. Their inhibition was no different than the inhibition of guar gum on either. Further studies showed that guar gum inhibition was likely non-specific.

PMID: 1558332: One patient with seafood allergy had postive SPT to clam extract. No mention of source or genus/species.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 81 - Food - Fish and Shellfish, Clam Venus**

Recommended Common Name Clam, Venus

Recommended Scientific Name Venus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: Veneridae and allergen; Veneridae and allergy; venus and allergy; venus and allergen

Google: Veneridae allergen; Veneridae allergy; Veneridae allergy adverse; Veneridae allergen adverse

Nomenclature

According to ITIS, there are four species within the Venus genus. The Venus genus is found in the family Veneridae.

Parent Product

81 - Food - Fish and Shellfish, Clam Venus

Published Data

PMID: 15510583 Used Mercenaria mercenaria clam extract for SPT. About 10% of people tested had a positive SPT. No challenges were performed. Only one of 43 claimed to be allergic to clam.

PMID: 7499677: Clam extract (from Omega) were used for skin prick tests. (4 positive SPTs) Two were confirmed positive by inhalation challenge. This paper also looked for crossreactivity between clam and shrimp by RAST inhibition. Their inhibition was no different than the inhibition of guar gum on either. Further studies showed that guar gum inhibition was likely non-specific.

PMID: 1558332: One patient with seafood allergy had positive SPT to clam extract. No mention of source or genus/species.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 82 - Food - Fish and Shellfish, Clam Venus Mercearia spp**

Recommended Scientific Name Mercearia, (species to be specified)

Manufacturers of this Product

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Search Strategy

PubMed: venus mercenaria and allergy; venus mercenaria and allergen; mercenaria mercenaria and allergy; mercenaria mercenaria and allergen; mercenaria and allergy; mercenaria and allergen

Google: mercenaria allergy adverse; mercenaria allergen adverse

Nomenclature

According to ITIS, both Venus and Mercenaria are considered valid genera. Both genera are found in the Veneridae family (venus).

Parent Product

82 - Food - Fish and Shellfish, Clam Venus Mercearia spp

Published Data

PMID: 7499677: Clam extract (from Omega) were used for skin prick tests. (4 positive SPTs) Two were confirmed positive by inhalation challenge. This paper also looked for crossreactivity between clam and shrimp by RAST inhibition. Their inhibition was no different than the inhibition of guar gum on either. Further studies showed that guar gum inhibition was likely non-specific.

PMID: 15510583: Used Merceneria merceneria clam extract for SPT. About 10% of people tested had a positive SPT. No challenges were performed. Only one of 43 claimed to be allergic to clam.

PMID: 1558332: One patient with seafood allergy had positive SPT to clam extract. No mention of source or genus/species.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 83 - Food - Fish and Shellfish, Clam Venus Protheca staminez**

**Recommended Common Name** Clam, Pacific Littleneck

**Recommended Scientific Name** Protothaca staminea

**Manufacturers of this Product**

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

**Search Strategy**

Protheca staminez does not exist in PubMed, ITAS, or Google.

Correct spelling is: protothaca staminea.

PubMed: protothaca staminea; protothaca staminea allergy, protothaca staminea allergen, protothaca staminea allergy adverse, protothaca staminea allergen adverse

Google: protothaca staminea

**Nomenclature**

According to ITIS, the correct spelling of Protheca staminez is Protothaca staminea. The common name is listed as 'Pacific littleneck'. According to dictionary.com littleneck is a young or small clam. Clam is an acceptable common name. The website ([http://peet.amnh.org/Western\\_Atlantic\\_Bivalves/families/list.html](http://peet.amnh.org/Western_Atlantic_Bivalves/families/list.html)) lists two families of bivalves (clams). The families are Veneridae (venus) and Myidae (mya). Protothaca staminea is in the Veneridae family.

**Parent Product**

83 - Food - Fish and Shellfish, Clam Venus Protheca staminez

**Published Data**

PMID: 7499677: Clam extract (from Omega) were used for skin prick tests. (4 positive SPTs) Two were confirmed positive by inhalation challenge. This paper also looked for crossreactivity between clam and shrimp by RAST inhibition. Their inhibition was no different than the inhibition of guar gum on either. Further studies showed that guar gum inhibition was likely non-specific.

PMID: 1558332: One patient with seafood allergy had positive SPT to clam extract. No mention of source or genus/species.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 84 - Food - Fish and Shellfish, Codfish Gadus callarias**

**Recommended Scientific Name** Gadus morhua

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: codfish; codfish gadus callarias; gadus callarias allergen; gadus callarias allergy  
Google: gadus callarias allergen; gadus callarias allergen adverse; gadus callarias allergy; gadus callarias allergy adverse

**Nomenclature**

According to Fishbase, the correct scientific name for Gadus callarias is Gadus morhua. The common name is listed as 'Atlantic cod'. According to dictionary.com cod is also called codfish. The common name is acceptable. The Gadus genus is found in the Gadidae family.

**Parent Product**

84 - Food - Fish and Shellfish, Codfish Gadus callarias

**Published Data**

Three papers used Gadus morhua (PMIDs: 11825013, 2262645, 16337465).  
PMID: 11825013 - positive SPTs with extract, but all oral food challenges were negative (no history)  
PMID: 2262645 - 60 children with allergic history were tested with a panel of allergen extracts. 20 had a positive reaction to cod extract (Gadus morhua). This correlated with their history. Serum from these children showed cross-reactivity between cod, bass, dentex, eel, sole and tuna. These fish are from three different orders: perciformes, gadiformes, and pleuronectiformes.  
PubMed ID: 16337465 - 10 people with allergic history to cod. Nine of 10 had positive reaction to Gad c 1 (recombinant allergen)  
PMID: 1545094 - 9 positive SPTs and 3 of 5 positive food challenges (homemade, no genus)  
PMID: 9470014 - 11 positive SPTs, 9 challenges 3 positives (Greer)  
PubMed ID: 1283656 - 10 with allergic history, 9 positive SPT, 7 positive DBPCFC (no genus species)  
PubMed ID: 1558332 - 1 lobster allergic person also positive SPT to cod  
PubMed ID: 9291417 - 5 patients with a history of catfish allergy were skin prick tested with cod extract - 1 in 5 had a positive reaction.  
PubMed ID: 8705636 - 39 patients with a history of allergy to fish were tested with a panel of fish extracts 12/39 positive history to cod 16/35 positive SPT to gadus callarius (Callarius spelling could not be found, believe it was misspelled.)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
72_ J microbiol Immunol Infect 34-301.pdf	11825013	Peng, Y.H.	2001
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998
84_ Ann Allergy Asthma Immunol 78-187.pdf	1283656	Hansen, T.K.	1992
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
119_ Ann Allergy Asthma Immunol 79-131.pdf	9291417	James, J.M.	1997
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 85 - Food - Fish and Shellfish, Crab Callinectes sapidus**

**Recommended Common Name** Crab, Blue

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: crab and allergy; crab and allergen; Callinectes sapidus and allergen; Callinectes sapidus and allergy and skin prick; blue crab and allergy blue crab and allergen and skin prick

Google: crab allergy; crab allergy adverse; crab allergen adverse; Callinectes sapidus; Callinectes sapidus allergen; Callinectes sapidus allergen adverse

**Nomenclature**

According to ITIS, the scientific name, Callinectes sapidus, is correct and current. Common names are listed as blue crab or bluepoint. The common name, crab, is acceptable. The Callinectes genus is found in the Portunidae family.

**Parent Product**

85 - Food - Fish and Shellfish, Crab Callinectes sapidus

**Published Data**

Two papers used Callinectes sapidus extract in shellfish allergic subjects: The first paper looked at the frequency of positive skin prick tests in 70 subjects that reported allergy to shellfish and molluscs. 37 of them reported crab allergy. Approximately 60% (~ 42 people) had a positive skin reaction to crab (C. sapidus) extract (PMID 15510583). The second paper, fourteen patients with convincing histories of shrimp allergy were studied. Ten subjects without shrimp allergy were in the control group. White shrimp (Penaeus setiferus), blue crab (Callinectes sapidus), spiny lobster (Panulirus argus), and crayfish tails (Procambarus clarkii) were extracted. Among the 14 patients, ten had positive SPT to blue crab extract (PMID 4031316).

Most clinical reports used snow crab (Chionoecetes opilio) for their study.

1. One study showed cross-reactivity of snow crab extract and commercial extracts from other crab genera. Two hundred and eighty-three snow crab-processing workers were prick skin tested with extracts of snow crab cooking water and commercial extracts from other crab genera (Alaskan king crab, Dungeness crab, and stone crab). Results of skin prick tests showed 35% sensitivity and 93% specificity with extracts of snow crab cooking water; 56% sensitivity and 90 % specificity with commercial non-snow crab extracts. These results suggest common allergens shared by different genera of crab. (PMID: 16948358)
2. Another clinical report, species not identified, included 46 patients allergic to crab. Ten subjects had elevated IgE against crab, 4 had elevated IgG4 levels, and two from the questionnaire negative groups were positive by SPT. (PubMed ID: 11495303)
3. Another study showed probable consistency between imported and local skin prick test of shrimp and crab extracts (paralithodes vs. giant mud crab or swimming crab), but no consistency between imported and local skin prick test of fish extracts. The study also showed no consistency between history of seafood allergy and skin prick test results. This article is not relevant. (PubMed ID: 12403237)
4. PubMed ID: 16620221: Another paper shows high cross-reactivity between crab and shrimp by IgE inhibition studies using serum from 1 patient. The shrimp and crab species are not identified.
5. PubMed ID: 7499677 Five subjects had positive SPT to crab (species not identified). Of the eight sera that had increased IgE levels to clam, shrimp, or both, six subjects had increased IgE levels to crab.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
78_ J Med assoc Thai 85(S2)-S593.pdf	12403237	Visitsunthom, N.	2002
78_ Asian Pacific Journal of Allergy and Immunology 19-7.p	11495303	Sheah-Min, Y.	2001
85_ J allergy Clin Immunol 76-440.pdf	4031316	Waring, N.P.	1985
85_ J Dermatology 3 - 174.pdf	16620221	Zhang, Y.	2006
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 86 - Food - Fish and Shellfish, Crab Xiphosurus sowerbyi**

**Recommended Common Name** Crab, Horsehoe

**Recommended Scientific Name** (genus and species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Xiphosura sowerbyi and allergy; Xiphosura sowerbyi and allergen; xiphosura and allergy; horseshoe crab and allergy; horseshoe crab and allergen; xiphosura and allergen; Alaska king crab and allergy; Alaska king crab and allergen

Google: Xiphosura sowerbyi allergy; Xiphosura sowerbyi allergen; Xiphosura sowerbyi allergy adverse; Xiphosura sowerbyi allergen adverse; same search was performed for horseshoe crab.

**Nomenclature**

According to ITIS, the correct spelling of Xiphosurus sowerbyi is Xiphosura sowerbyi. Xiphosura Limulina is listed as the order and suborder not the genus and species. There is one family, Limulidae, listed within Limulina and three genera:

Carcinoscorpius, Limulus, and Tachypleus. Xiphosura are the horseshoe crabs of which there are only 3 scientific names listed in ITIS: Carcinoscorpius rotundicauda, Limulus polyphemus and Tachypleus tridentatus.

**Parent Product**

86 - Food - Fish and Shellfish, Crab Xiphosurus sowerbyi

**Published Data**

There are no known published data on allergy to Xiphosura.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 87 - Food - Fish and Shellfish, Crappie Pomoxis annularis**

**Manufacturers of this Product**

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: crappie and allergy; crappie and allergen; Pomoxis annularis and allergy; Pomoxis annularis and allergen

Google: crappie allergy; crappie allergy adverse; crappie allergen adverse; crappie allergen; same search performed for Pomoxis annularis

**Nomenclature**

According to ITIS, the scientific name is Pomoxis annularis. The common name is listed as White crappie. The scientific and common names are correct and current. The Pomoxis genus is found in the Centrarchidae family.

**Parent Product**

87 - Food - Fish and Shellfish, Crappie Pomoxis annularis

**Published Data**

No supportive data were identified.

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 88 - Food - Fish and Shellfish, Flounder Pectinidea spp.**

Recommended Scientific Name Pectinidea, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: flounder and allergy and skin prick; flounder and allergen and skin prick; Pectinidea not found in PubMed.

Google: flounder allergy; flounder allergy adverse; flounder allergen adverse; flounder allergen; same searches performed for Pectinidea

Nomenclature

There is no flounder with Genus of Pectinidea according to ITIS, Fishbase, or Wikipedia. Pectinidae are scallops. (Google search). According to ITIS the common name for Pleuronectes flesus is flounder.

Parent Product

88 - Food - Fish and Shellfish, Flounder Pectinidea spp.

Published Data

PMID 1545094: 9 of 11 fish sensitive patients had positive skin prick tests to flounder extracts (Greer).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
119_J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 89 - Food - Fish and Shellfish, Flounder Platichthys sp.**

**Recommended Scientific Name** Platichthys, (species to be specified)

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: flounder and allergy and skin prick; flounder and allergen and skin prick; Platichthys and allergy; Platichthys and allergen

Google: flounder allergy; flounder allergy adverse; flounder allergen adverse; flounder allergen; same searches performed for Platichthys

**Nomenclature**

According to ITIS, there are three species of flounder listed for Genus Platichthys. They are: Platichthys bicoloratus (stone flounder), Platichthys flesus (European or North Atlantic flounder, white fluke), and Platichthys stellatus (starry flounder). Within the Tribe Pleuronectini, Platichthys and Pleuronectes are two of the five genera listed.

**Parent Product**

89 - Food - Fish and Shellfish, Flounder Platichthys sp.

**Published Data**

PMID: 1545094: 9 patients who had both SPT and oral challenge with flounder extract (Greer). Eight had positive SPT, five had positive reaction to oral food challenge. The Genus and species name of this flounder extract was not mentioned.

PMID: 16337465: crossreactivity between cod and flounder (Platichthys flesus).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 90 - Food - Fish and Shellfish, Flounder Pleuronectes sp.**

**Recommended Scientific Name** Pleuronectes, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: flounder and allergy and skin prick; flounder and allergen and skin prick; Pleuronectes and allergy; Pleuronectes and allergen

Google: flounder allergy; flounder allergy adverse; flounder allergen adverse; flounder allergen; same searches performed for Pleuronectes

**Nomenclature**

According to ITIS, there are five species of flounder listed for genus Pleuronectes. They are: P. glacialis, P. pinnifasciatus, P. platessa, P. putnamii, and P. quadrituberculatus. The Pleuronectes genus is found within the Pleuronectini tribe, Pleuronectinae subfamily, and Pleuronectidae family.

**Parent Product**

90 - Food - Fish and Shellfish, Flounder Pleuronectes sp.

**Published Data**

PMID: 1545094: 9 patients who had both SPT and oral challenge with flounder extract (Greer). Eight had positive SPT, five had positive reaction to oral food challenge. The Genus and species name of this flounder extract was not mentioned.

PMID: 8705636: 13 out of 39 subjects had a positive history to flounder allergy, 12 out of 39 subjects tested positive to SPT, and 12 out of 21 were confirmed with a positive RAST. Flounder Genus listed as Pleurnectus spp.)

PMID: 11825013: Eleven atopic children, only one had a positive SPT to flounder. Flounder order listed as Pleuronectiformes.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996
72_ J microbiol Immunol Infect 34-301.pdf	11825013	Peng, Y.H.	2001

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 91 - Food - Fish and Shellfish, Haddock *Melanogrammus aeglefinus***

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: haddock and allergy; haddock and allergen

Google: haddock allergy; haddock allergy adverse; haddock allergen adverse; same searches performed for *Melanogrammus*

**Nomenclature**

According to ITIS, the scientific name, *Melanogrammus aeglefinus*, is correct and current. The common name is listed as haddock. The *Melanogrammus* genus is found in the Gadinae subfamily and Gadidae family. According to LanguaL there is only one haddock. In ITIS a haddock search brings up one genus and species: *Melanogrammus aeglefinus*. (There also the Norway haddock, which is unrelated: *Sebastes viviparus*)

**Parent Product**

91 - Food - Fish and Shellfish, Haddock *Melanogrammus aeglefinus*

**Published Data**

PMID: 2262645: Haddock is in the same order as cod (Gadiformes). Cod was shown to crossreact with fish from other orders (pleuronectiformes and perciformes). We make the assumption that if cod crossreacts with fish from other orders, it would likely contain common allergens with fish from the same order. Haddock is also in the same sub family as cod (Gadinae). (Note: This product is the only other fish from the order Gadiformes being reviewed as part of the IIIA reclassification.)

PMID: 1558332: A 25 year-old male chef developed symptoms of cough, wheezing, and dyspnea following repeated exposure to cooking lobster in his work environment. Skin prick test showed a positive response to haddock. The sources of the extracts were not mentioned.

PMID: 8705636: Thirty-five patients were skin prick tested with 16 different commercial extracts. Haddock (*Melanogrammus aeglefinus*) was one of the extracts. 15 out of 35 had positive skin prick test; 2 out of 39 had positive history. No challenges were performed.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 92 - Food - Fish and Shellfish, Halibut Hippoglossus hippoglossus**

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Halibut and allergy; Halibut and allergen; Hippoglossus and allergen;  
Hippoglossus and allergy  
Google: Halibut allergy; Halibut allergy adverse; Halibut allergen adverse; same searches performed for Hippoglossus

**Nomenclature**

According to Fishbase, the scientific name, Hippoglossus hippoglossus is correct and current. Within Fishbase, the common name is listed as Atlantic halibut. Halibut is an acceptable common name. The Hippoglossus genus is found in the Pleuronectidae family.

**Parent Product**

92 - Food - Fish and Shellfish, Halibut Hippoglossus hippoglossus

**Published Data**

PMID: 2262645: 60 children with allergic history were tested with a panel of allergen extracts. 20 had a positive reaction to cod extract (Gadus morhua). This correlated with their history. Serum from these children showed cross reactivity between cod, bass, dentex, eel, sole and tuna. These fish are from three different orders: perciformes, gadiformes, and pleuronectiformes. Halibut is in the pleuronectiformes order.

PMID: 14582822: In 1978, patient underwent SPT to salmon, trout, and red snapper and demonstrated either a 3+ or 4+ reaction to each. In Oct. 2002, he was skin tested to salmon, cod, halibut, tuna, and trout and found to be negative to each. No Genus/species name mentioned.

PMID: 16337465: Weak cross-reactivity between cod antigen Gad c 1 and halibut Hippoglossus hippoglossus were found.

PMID: 8705636: 35 patients were skin prick tested with 16 different commercial extracts. Halibut (Hippoglossus spp.): 12 out of 35 had positive skin prick test; 4 out of 39 had positive history. No challenges were performed.

PMID: 6222876 3 individuals had positive skin prick tests to halibut.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
91_ Contact Dermatitis 9-219.pdf	6222876	Beck, H.I.	1983
92_ Ann Allergy Asthma Immunol 91-411.pdf	14582822	Solensky, R.	2003
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 93 - Food - Fish and Shellfish, Halibut Hippoglossus stenolepis**

**Recommended Scientific Name** Hippoglossus stenolepis

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: Halibut and allergy; Halibut and allergen; Hippoglossus stenolepis and allergy; Hippoglossus stenolepis and allergen; Hippoglossus and allergen; Hippoglossus and allergy

Google: Halibut allergy; Halibut allergy adverse; Halibut allergen adverse; same searches performed for Hippoglossus stenolepis

**Nomenclature**

According to Fishbase, the correct spelling of Hippoglossus stenolepis is Hippoglossus stenolepis. A synonym is listed as Hippoglossus hippoglossus camtchaticus. Fishbase lists the common name as Pacific halibut. Halibut is an acceptable common name. The Hippoglossus genus is found in the Pleuronectidae family.

**Parent Product**

93 - Food - Fish and Shellfish, Halibut Hippoglossus stenolepis

**Published Data**

PMID: 2262645: 60 children with allergic history were tested with a panel of allergen extracts. 20 had a positive reaction to cod extract (*Gadus morhua*). This correlated with their history. Serum from these children showed cross reactivity between cod, bass, dentex, eel, sole and tuna. These fish are from three different orders: perciformes, gadiformes, and pleuronectiformes. Halibut is in the pleuronectiformes order.

PMID: 14582822: In 1978, patient underwent SPT to salmon, trout, and red snapper and demonstrated either a 3+ or 4+ reaction to each. In Oct. 2002, he was skin tested to salmon, cod, halibut, tuna, and trout and found to be negative to each. No Genus/species name mentioned.

PMID: 16337465: Weak cross-reactivity between cod antigen Gad c 1 and halibut Hippoglossus hippoglossus were found.

PMID: 8705636: 35 patients were skin prick tested with 16 different commercial extracts. Halibut (*Hippoglossus* spp.): 12 out of 35 had positive skin prick test; 4 out of 39 had positive history. No challenges were performed.

PMID: 6222876 3 individuals had positive skin prick tests to halibut.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
91_ Contact Dermatitis 9-219.pdf	6222876	Beck, H.I.	1983
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
92_ Ann Allergy Asthma Immunol 91-411.pdf	14582822	Solensky, R.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 94 - Food - Fish and Shellfish, Herring Clupea sp.**

**Recommended Scientific Name** Clupea harengus

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: herring, herring allergen; herring allergy; clupea allergen; clupea allergy

Google: herring allergen; herring allergen adverse; herring allergy; herring allergy adverse; same search performed for Clupea

**Nomenclature**

According to ITIS, there are 3 accepted species within the Clupea genus. C. bentincki, C. harengus, and C. pallasii. Clupea harengus is known as the Atlantic herring, Baltic herring, and herring. The common name of herring is acceptable. The Clupea genus is found in the Clupeidae family.

**Parent Product**

94 - Food - Fish and Shellfish, Herring Clupea sp.

**Published Data**

PMID: 8705636: Thirty-nine people who reported fish allergy were tested with a variety of fish extracts. For herring (clupea harengus) 14 out of 39 subjects had a positive history and 15 out of 35 subjects were positive SPT.

PMID: 16337465: Ten patients with reported fish allergy were skin prick tested with a several extracts and recombinant allergens. Seven of seven that were skin prick tested with Herring (Clupea harengus) gave a positive reaction. IgE ELISA showed cross-reactivity with Herring and the cod recombinant allergen Gad c 1.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 95 - Food - Fish and Shellfish, Lingcod, Ophiodon spp**

Recommended Scientific Name Ophiodon elongatus

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: Ophiodon elongatus and allergy; Ophiodon elongatus and allergen; Ophiodon and allergen; Lingcod and allergy; Lingcod and allergen; Ophiodon and allergy

Google: lingcod allergy, lingcod allergy adverse, lingcod allergen; lingcod allergen adverse; the same search performed for Ophiodon

Nomenclature

According to ITIS, Ophiodon elongatus is the only lingcod fish within the Ophiodon genus. Common names are lingcod and molva. The common name is correct and current. The scientific name needs to be updated. O. elongates is listed as a synonym. The Ophiodon genus is found in the Hexagrammidae family.

Parent Product

95 - Food - Fish and Shellfish, Lingcod, Ophiodon spp

Published Data

There are no known published data.

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 96 - Food - Fish and Shellfish, Lobster Homarus americanus**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Homarus americanus and allergy; Homarus americanus and allergen; Homarus and allergy; Homarus and allergen; lobster and allergy; lobster and allergen  
Google: lobster allergen; lobster allergen adverse; lobster allergy; lobster allergy adverse; same search performed for Homarus

**Nomenclature**

According to ITIS, the scientific name, Homarus americanus, is correct and current. The common name is listed as American lobster. Lobster as a common name is acceptable. The Homarus genus is found in the Nephropinae subfamily and Nephropidae family. The American lobster is a species of lobster (scientific name Homarus americanus), also known as the northern lobster, or the Maine lobster. There are at least three genera of lobsters.

**Parent Product**

96 - Food - Fish and Shellfish, Lobster Homarus americanus

**Published Data**

There is one published article specifically on H. americanus. PMID: 15510583: 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts. No comment was made on the correlation between skin test positive reactions and history. Approximately 40% were positive to lobster (H. americanus) extract.

There are some published articles on diagnosing lobster allergy using lobster extracts for SPT, but neither the Genus nor the species are mentioned. PMID: 1558332: A 25 year-old male chef developed symptoms of cough, wheezing, and dyspnea following repeated exposure to cooking lobster in his work environment. SPT showed a large response to lobster. Bronchial inhalation of aqueous lobster extract resulted in isolated early asthmatic response. The sources of the extracts were not mentioned.

PMID: 7499677: A report studied the occupational asthma caused by clam and shrimp in a food company. Five subjects had skin reactivity to lobster (Omega). No matching clinical history or food challenge. The Genus or species name of the lobster extract was not mentioned.

PMID: 8059680: A study showed that the association between history and SPT was statistically significant for Crustaceae, the Class lobster belong to. No Genus or species name of the lobster extract was mentioned.

PMID: 8792927: A 34-year old woman developed occupational allergy to lobster and shrimp. Skin prick tests were positive to lobster (from Omega) and shrimp extracts. Specific inhalation challenges to aqueous lobster extract or shrimp powder were positive. No Genus or species name mentioned for the lobster or shrimp.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
78_ Allergol et Immunopathol 22-83.pdf	8059680	Castillo, R.	1994
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995
96_ Allergy 51-272.pdf	8792927	Lemière, C.	1996
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 97 - Food - Fish and Shellfish, Lobster, Florida**

**Recommended Scientific Name** Nephropsis aculeata

**Manufacturers of this Product**

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Nephropsis and allergy; Nephropsis and allergen; Florida lobster and allergy; Florida lobster and allergen

Google: Florida lobster allergy; Florida lobster allergy adverse; Florida lobster allergen; Florida lobster allergen adverse

**Nomenclature**

According to ITIS, Nephropsis aculeata is listed as Florida lobsterette. Lobster is an acceptable common name. Florida lobster is on the FDA seafood list.

**Parent Product**

97 - Food - Fish and Shellfish, Lobster, Florida

**Published Data**

There is no data specifically on Nephropsis aculeata. Some journal articles on diagnosing lobster allergy using lobster extracts for SPT, but neither the Genus nor the species are mentioned.

PMID: 1558332: A 25 year-old male chef developed symptoms of cough, wheezing, and dyspnea following repeated exposure to cooking lobster in his work environment. SPT showed a large response to lobster. Bronchial inhalation of aqueous lobster extract resulted in isolated early asthmatic response. The sources of the extracts were not mentioned.

PMID: 7499677: A report studied the occupational asthma caused by clam and shrimp in a food company. Five subjects had skin reactivity to lobster (Omega). No matching clinical history or food challenge. The Genus or species name of the lobster extract was not mentioned.

PMID: 8059680: A study showed that the association between history and SPT was statistically significant for Crustaceae, the Class lobster belong to. No Genus or species name of the lobster extract was mentioned.

PMID: 8792927: A 34-year old woman developed occupational allergy to lobster and shrimp. Skin prick tests were positive to lobster (from Omega) and shrimp extracts. Specific inhalation challenges to aqueous lobster extract or shrimp powder were positive. No Genus or species name mentioned for the lobster or shrimp.

PMID: 15510583: 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts. No comment was made on the correlation between skin test positive reactions and history.

Approximately 40% were positive to lobster (H. americanus) extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
78_ Allergol et Immunopathol 22-83.pdf	8059680	Castillo, R.	1994
96_ Allergy 51-272.pdf	8792927	Lemière, C.	1996
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995
97_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 98 - Food - Fish and Shellfish, Lobster, Maine**

**Recommended Scientific Name** Homarus americanus

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Homarus americanus and allergy; Homarus americanus and allergen; Homarus and allergy; Homarus and allergen; lobster and allergy; lobster and allergen

Google: lobster allergen; lobster allergen adverse; lobster allergy; lobster allergy adverse; same search performed for Homarus

**Nomenclature**

According to ITIS, the scientific name could be Homarus americanus. The common name is listed as American lobster. Lobster is an acceptable common name. The Homarus genus is found in the Nephropinae subfamily and Nephropidae family. The American lobster is a species of lobster (scientific name Homarus americanus), also known as the northern lobster, or the Maine lobster. There are at least three genera of lobsters.

**Parent Product**

98 - Food - Fish and Shellfish, Lobster, Maine

**Published Data**

There is one published article specifically on H. americanus. PMID: 15510583: 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts. No comment was made on the correlation between skin test positive reactions and history. Approximately 40% were positive to lobster (H. americanus) extract.

There are some published articles on diagnosing lobster allergy using lobster extracts for SPT, but neither the Genus nor the species are mentioned. PMID: 1558332: A 25 year-old male chef developed symptoms of cough, wheezing, and dyspnea following repeated exposure to cooking lobster in his work environment. SPT showed a large response to lobster. Bronchial inhalation of aqueous lobster extract resulted in isolated early asthmatic response. The sources of the extracts were not mentioned.

PMID: 7499677: A report studied the occupational asthma caused by clam and shrimp in a food company. Five subjects had skin reactivity to lobster (Omega). No matching clinical history or food challenge. The Genus or species name of the lobster extract was not mentioned.

PMID: 8059680: A study showed that the association between history and SPT was statistically significant for Crustaceae, the Class lobster belong to. No Genus or species name of the lobster extract was mentioned.

PMID: 8792927: A 34-year old woman developed occupational allergy to lobster and shrimp. Skin prick tests were positive to lobster (from Omega) and shrimp extracts. Specific inhalation challenges to aqueous lobster extract or shrimp powder were positive. No Genus or species name mentioned for the lobster or shrimp.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
78_ Allergol et Immunopathol 22-83.pdf	8059680	Castillo, R.	1994
96_ Allergy 51-272.pdf	8792927	Lemière, C.	1996
78_ J allergy Clin Immunol 96-608.pdf	7499677	Desjardins, A.	1995

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 99 - Food - Fish and Shellfish, Mackerel Scomber scombrus**

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: Scomber and allergy; Scomber and allergen; Mackerel and allergy; Mackerel and allergy and skin; Mackerel and allergen and skin

Google: Mackerel allergy; Mackerel allergy adverse; Mackerel allergen; Mackerel allergen adverse; same search performed for Scomber

**Nomenclature**

According to ITIS, the scientific name, Scomber scombrus, is correct and current. Common names are listed as Atlantic Mackerel, Boston Mackerel, or Mackerel. Mackerel is a common name applied to a number of different species of fish, mostly, but not exclusively, from the family Scombridae. The Scombridae family includes several species. Scomber vernalis is listed as a synonym. Scomber scomber is a mis-spelling of Scomber scombrus (Fishbase). The Scomber genus is found in the Scombrini tribe, Scombrinae subfamily, and Scombridae family.

**Parent Product**

99 - Food - Fish and Shellfish, Mackerel Scomber scombrus

**Published Data**

PMID: 2262645: 4 of 20 cod-positive children had positive ST to Mackerel (Scomber scomber, incorrect spelling of scomber scombrus according to Fishbase). No food challenge. Clinical history of 2 or more allergic reactions to cod.

PMID: 16337465: 6 of the 8 cod-positive patients had positive SPT to Mackerel. Most of them had matching clinical history. Challenged with cod, but not mackerel. Didn't mention Genus/species name.

PMID: 1283656: In one paper, IgG ELISA using Abs against Gad C 1 (cod allergen) showed crossreactivity between cod and mackerel (Scomber scombrus). IgE ELISA inhibition of ten sera to GadC1 was more than 20% with mackerel with most sera.

PMID: 20152850 Scombroid food poisoning caused by eating spoiled fish can resemble an allergic reaction

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
72_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
99_ Ann Allergy Asthma Immunol 78-187.pdf	1283656	Hansen, T.K.	1992
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005
99_ toxicon 56-231.pdf	20152850		0

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 100 - Food - Fish and Shellfish, Oyster Ostrea spp.**

**Recommended Scientific Name** Ostrea, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: oyster allergy; oyster allergen; Ostrea allergy; Ostrea allergen

Google: oyster allergy; oyster allergy adverse; oyster allergen; oyster allergen adverse; same search performed for Ostrea

**Nomenclature**

According to FDA seafood list, Genus ostrea has several species: Ostrea chilensis (Chilean Oyster), Ostrea conchaphila (Olympia Oyster), Ostrea edulis (Edible Oyster), Ostrea laperousei (Japanese Oyster), and Ostrea lurida (Olympia Oyster). Crassostrea and Ostrea are two distinct genera of oyster. According to ITIS, there are seven species within the Ostrea genus: O. conchaphila, O. cristata, O. edulis, O. equestris, O. lurida, O. megadon, and O. sandvicensis. The Ostrea genus is found in the Ostreidae family.

**Parent Product**

100 - Food - Fish and Shellfish, Oyster Ostrea spp.

**Published Data**

PMID: 2440933: This paper showed crossreactivity by RAST between uncooked oyster (Crassostrea virginica) and uncooked shrimp (Peneaus setifecus) (56%), uncooked oyster and spiny lobster (85%), uncooked oyster and blue crab (Callinectes sapidus) (88%).

PMID: 15510583: This paper describes a study in which 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts. No comment was made on the correlation between skin test positive reactions and history. No challenges were performed. Approximately 20% of subjects were positive to oyster (O. virginica) extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
78_ J allergy Clin Immunol 80-133.pdf	2440933	Lehrer, S.B.	1987
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 101 - Food - Fish and Shellfish, Perch *Sebastes marinus***

**Recommended Scientific Name**      *Serranus scriba*

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: Rose fish and allergy; rose fish and allergen; *Sebastes* and allergen; *Sebastes* and allergy

Google: perch allergy; perch allergy adverse; perch allergen; perch allergen adverse; same search results performed for *Sebastes marinus*

**Nomenclature**

Based on ITIS, the current scientific name of *Sebastes marinus* is *Serranus scriba*. Common names are listed as: ocean perch, redfish, and rose fish. Perch is an acceptable common name. *Perca marina* is also listed as a synonym. The *Serranus* genus is found in the Serraninae subfamily and Serranidae family.

**Parent Product**

101 - Food - Fish and Shellfish, Perch *Sebastes marinus*

**Published Data**

PMID 154094; positive skin prick test to perch extract in 9 of 11 patients with a history of fish hypersensitivity. Extract from Greer laboratories, but species not named.

PMID: 2262645: Another paper shows cross-reactivity between 3 genera in the order perciformes. This is the same order as perch. 8 of 20 fish allergic children had positive skin prick test to perch.

PMID: 8705636: 39 people with history of fish allergy were tested with a panel of fish extracts. The results are 14 out of 39 had a positive history of allergy to perch; 15 out of 35 had positive SPT with *perca flavescens* another species of perch.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 102 - Food - Fish and Shellfish, Perch, Fresh Water Perca flavescens**

**Recommended Common Name** Perch

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Perca flavescens and allergy; Perca flavescens and allergen; Perca and allergy; Perca and allergen; perch and allergy; perch and allergen

Google: Perch allergy, Perch allergy adverse; Perch allergen, Perch allergen adverse; this same search was performed for Perca flavescens

**Nomenclature**

According to ITIS, the scientific name, Perca flavescens, is correct and current. Common name is listed as yellow perch. The Perca genus is found in the Percidae family.

**Parent Product**

102 - Food - Fish and Shellfish, Perch, Fresh Water Perca flavescens

**Published Data**

PMID 154094; positive skin prick test to perch extract in 9 of 11 patients with a history of fish hypersensitivity. Extract from Greer laboratories, but species not named.

PubMed ID: 2262645: Another paper shows cross-reactivity between 3 genera in the order perciformes. This is the same order as perch. 8 of 20 fish allergic children had positive skin prick test to perch.

PMID: 8705636: 39 people with history of fish allergy were tested with a panel of fish extracts. The results are 14 out of 39 had a positive history of allergy to perch; 15 out of 35 had positive SPT with perca flavescens.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 103 - Food - Fish and Shellfish, Perch, Ocean Perca spp.**

**Recommended Scientific Name** Perca, (species to be specified)

**Manufacturers of this Product**

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Perca and allergy; Perca and allergen; perch and allergy; perch and allergen

Google: Perch allergy, Perch allergy adverse; Perch allergen, Perch allergen adverse; this same search was performed for Perca

**Nomenclature**

According to Fishbase, there are 3 species of Perca: *P. schrenkii* (Balkhash perch), *P. fluviatilis* (European perch), and *P. flavescens* (yellow perch). These are freshwater fish. The Perca genus is found in the Percidae family. Ocean perch may also refer to one of several species not in the genus perca.

**Parent Product**

103 - Food - Fish and Shellfish, Perch, Ocean Perca spp.

**Published Data**

PMID 154094; positive skin prick test to perch extract in 9 of 11 patients with a history of fish hypersensitivity. Extract from Greer laboratories, but species not named.

PMID: 2262645: Another paper shows cross-reactivity between 3 genera in the order perciformes. This is the same order as perch. 8 of 20 fish allergic children had positive skin prick test to perch.

PMID: 8705636: 39 people with history of fish allergy were tested with a panel of fish extracts. The results are 14 out of 39 had a positive history of allergy to perch; 15 out of 35 had positive SPT with perca flavescens another species of perch.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
119_ J Allergy Clin Immunol 90-622.pdf	1401644	Bernhisel-Broadbent,	1992
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 104 - Food - Fish and Shellfish, Perch, Ocean Sebastes sp.**

**Recommended Scientific Name** Sebastes, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: Sebastes and allergen; Sebastes and allergy; ocean perch and allergy; ocean perch and allergen

Google: Perch allergy, Perch allergy adverse; Perch allergen, Perch allergen adverse; this same search was performed for Sebastes

**Nomenclature**

According to Fishbase, there are over 100 valid species within the Sebastes genus. The Sebastes genus is found in the Sebastidae family. Ocean perch may refer to several of these species.

**Parent Product**

104 - Food - Fish and Shellfish, Perch, Ocean Sebastes sp.

**Published Data**

PMID 154094; positive skin prick test to perch extract in 9 of 11 patients with a history of fish hypersensitivity. Extract from Greer laboratories, but species not named.

PMID: 2262645: Another paper shows cross-reactivity between 3 genera in the order perciformes. This is the same order as perch. 8 of 20 fish allergic children had positive skin prick test to perch.

PMID: 8705636: 39 people with history of fish allergy were tested with a panel of fish extracts. The results are 14 out of 39 had a positive history of allergy to perch; 15 out of 35 had positive SPT with perca flavescens another species of perch.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 105 - Food - Fish and Shellfish, Pike Esox sp.**

Recommended Scientific Name Esox, (species to be specified)

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PupMed: pike allergy; pike allergen; Esox allergy; Esox allergen

Google: pike allergy; pike allergy adverse; pike allergen; pike allergen adverse; same search performed for Esox

Nomenclature

According to ITIS, there are five species within the Esox genus: E. americanus, E. lucius, El masquingony, E. niger, and E. reichertii. The scientific and common names need to be updated. The Esox genus is found in the in the Esocidae family.

Parent Product

105 - Food - Fish and Shellfish, Pike Esox sp.

Published Data

There are no known published data.

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 106 - Food - Fish and Shellfish, Red Snapper *Lutjanus campechanus***

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: *Lutjanus* and allergy; *Lutjanus* and allergen; red snapper and allergy; red snapper and allergen

Google: Red snapper allergy; Red snapper allergy adverse; Red snapper allergen; Red snapper allergen adverse; same search performed for *lutjanus campechanus*

**Nomenclature**

According to ITIS, there are 2 species of red snapper: *Lutjanus campechanus* and *Lutjanus gibbus*. The scientific name, *Lutjanus campechanus*, is correct and current. Common names are listed as northern red snapper and red snapper. *Lutjanus blackfordii* is listed as a synonym. The *Lutjanus* genus is found in the *Lutjaninae* subfamily and *Lutjanidae* family.

**Parent Product**

106 - Food - Fish and Shellfish, Red Snapper *Lutjanus campechanus*

**Published Data**

PMID 8705636: Thirty-five patients were skin prick tested with 16 different commercial extracts. Of those tested with Snapper (*Sebastes* spp.): 15 out of 35 had positive skin prick test; 16 out of 39 had positive history. (Note: Reference to the genus *Sebastes* for snapper could not be found in ITIS or Google. Genus *Sebastes* was associated with rockfish.)

PMID 9291417: Positive SPTs in two people were confirmed by oral challenge using snapper extract (Hollister-Stier).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
119_ Ann Allergy Asthma Immunol 79-131.pdf	9291417	James, J.M.	1997
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 107 - Food - Fish and Shellfish, Salmon Salmo salar**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: salmon and allergy; salmon and allergen; salmo salar and allergy; salmo salar and allergen  
Google: salmon allergy; salmon allergy adverse; salmon allergen; salmon allergen adverse; same search performed for Salmo salar

**Nomenclature**

According to ITIS, the scientific name, Salmo salar, is correct and current. Common name is listed as Atlantic salmon. The Salmo genus is found in the Salmoninae subfamily and Salmonidae family.

**Parent Product**

107 - Food - Fish and Shellfish, Salmon Salmo salar

**Published Data**

PMID 1401644: One paper shows 2 people with a strong history of salmon allergy having a positive skin test response to salmon extract (Greer). Subsequently these subjects were fed canned salmon with no adverse reactions. This study shows that salmon allergens are denatured during the canning processing by IgE ELISA inhibition studies.

PMID 2262645: Four of 20 cod allergic children also had positive skin prick tests to salmon (Salmo solar) extract.

PMID 16337465: An in vitro paper for the purposes of salmon. Antibodies to recombinant salmon allergen Sal s 1 also binds to extracts of salmon, pollack, herring, halibut, and flounder (all genus and species defined).

PMID 14582822: One patient that was allergic to salmon, his records indicated that in 1978 he had a positive skin prick test to salmon extract. At his current visit he no longer tested positive to salmon, and began to eat salmon freely.

PMID 16948358: 2 of 64 sensitized seafood processing workers had a positive skin prick test to salmon (HAL, Allergen labs, Netherlands)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
119_ J Allergy Clin Immunol 90-622.pdf	1401644	Bernhisel-Broadbent,	1992
92_ Ann Allergy Asthma Immunol 91-411.pdf	14582822	Solensky, R.	2003
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 108 - Food - Fish and Shellfish, Sardine *Sardinia pilchardus***

**Recommended Scientific Name** *Sardina pilchardus*

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: sardine allergy; sardine allergen; *Sardinia pilchardus* allergy; *Sardinia pilchardus* allergen

Google: sardine allergy; sardine allergy adverse; sardine allergen; sardine allergen adverse; same search was performed for *Sardinia pilchardus*

**Nomenclature**

According to Fishbase, the correct spelling of *Sardinia pilchardus* is *Sardina pilchardus*. The common name is listed as sardine or European pilchard. The *Sardina* genus is found in the Clupeidae family.

**Parent Product**

108 - Food - Fish and Shellfish, Sardine *Sardinia pilchardus*

**Published Data**

PMID 1545094: Two of nine people had positive SPT with sardine extracts. Both had negative DBPCFC, but positive open oral challenges.

PMID 16948358: Two of 64 seafood workers were SPT positive to sardine extract.

PMID 2262645: Four of twenty cod allergic children had a positive SPT to sardine extract (Greer)

PMID 20152850 Scombroid food poisoning caused by eating spoiled fish (including sardines) can resemble an allergic reaction

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
99_ toxicon 56-231.pdf	20152850		0

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 109 - Food - Fish and Shellfish, Scallops Pecten magellanicus**

**Recommended Common Name** Scallop, Sea

**Recommended Scientific Name** Placopecten magellanicus

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: scallop allergy; scallop allergen; pecten magellanicus allergy; pecten magellanicus allergen

Google: scallop allergy; scallop allergen; scallop allergy adverse; scallop allergen adverse; same search performed for pecten magellanicus

**Nomenclature**

According to ITIS, Pecten magellanicus is not listed. ITIS does list Placopecten magellanicus as sea scallop. Magellanicus is the only species in the Placopecten genus. The Placopecten genus is found in the Pectinidae family. The Pecten genus lists three species: P. chazaliei, P. eucymatus, and P. maximus. The Pecten genus is found in the Pectinidae family.

**Parent Product**

109 - Food - Fish and Shellfish, Scallops Pecten magellanicus

**Published Data**

PMID 1558332: A 25 year-old male chef developed symptoms of cough, wheezing, and dyspnea following repeated exposure to cooking lobster in his work environment. He had allergic symptoms following ingestion of shellfish (lobster and shrimp) but not mollusks (clams, oysters, etc). Skin prick test gave a 3+ (6 to 8 mm) response to scallops. The sources of the extracts were not mentioned.

PMID 15510583: Describes a study in which 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts. No comment was made on the correlation between skin test positive reactions and history. No challenges were performed. Approximately 10% (~7 people) were positive to scallop (Pecten magellanicus) extract.

PMID 16620221: This paper shows cross-reactivity between shrimp and crabs, but not scallops.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
85_ J Dermatology 3 - 174.pdf	16620221	Zhang, Y.	2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 110 - Food - Fish and Shellfish, Scallops Vola jacobaea**

**Recommended Scientific Name** Manufacturer must define species name.

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: scallop allergy; scallop allergen; Vola jacobaea allergy; Vola jacobaea allergen

Google: scallop allergy; scallop allergen; scallop allergy adverse; scallop allergen adverse; same search performed for Vola jacobaea

**Nomenclature**

ITIS does list Vola genus. The manufacturer must identify the scientific name.

**Parent Product**

110 - Food - Fish and Shellfish, Scallops Vola jacobaea

**Published Data**

PMID 1558332: A 25 year-old male chef developed symptoms of cough, wheezing, and dyspnea following repeated exposure to cooking lobster in his work environment. He had allergic symptoms following ingestion of shellfish (lobster and shrimp) but not mollusks (clams, oysters, etc). Skin prick test gave a 3+ (6 to 8 mm) response to scallops. The sources of the extracts were not mentioned.

PMID 15510583: Describes a study in which 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts. No comment was made on the correlation between skin test positive reactions and history. No challenges were performed. Approximately 10% (~7 people) were positive to scallop (Pecten magellanicus) extract. Vola jacobaea is in the same family as Pecten magellanicus.

PMID 16620221: This paper shows cross-reactivity between shrimp and crabs, but not scallops.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
91_ Ann Allergy 68-360.pdf	1558332	Patel, P.C.	1992
85_ J Dermatology 3 - 174.pdf	16620221	Zhang, Y.	2006
110_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 111 - Food - Fish and Shellfish, Shrimp Crago sp.**

**Recommended Scientific Name** Crago, (species to be specified)

**Manufacturers of this Product**

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: shrimp allergy; shrimp allergen; Crago allergy; Crago allergen; Crangon allergy; Crangon allergen

Google: shrimp allergy; shrimp allergy adverse; shrimp allergen; shrimp allergen adverse; same search performed for Crago

**Nomenclature**

Based on ITIS, the correct genus name is Crangon. There are 12 species of Crangon shrimp.

**Parent Product**

111 - Food - Fish and Shellfish, Shrimp Crago sp.

**Published Data**

All but one paper that gave the type of shrimp used *Peneaus* spp.

PMID 4031316: 14 people with history of shrimp allergy had SPT to shrimp extract (*Penaeus setiferus*). 12 had positive SPTs of 10mg/ml or less. (one in ten negative controls had a positive SPT at 10 mg/ml). 9 had a positive RAST ratio.

PMID 3680815: 33 people with history of immediate allergy to shrimp had SPT tested with shrimp extracts ( 'as described previously' - PMID 4031316). Of a total of 33 patients, 28 had a positive reaction to shrimp. RAST values correlated well with shrimp SPT.

PMID 8792927: One individual with history of allergy to seafood had a positive SPT to shrimp extract (Hollister-Stier). She also had a positive RAST and inhalation challenge. Hollister-Stier only sells Crangon, not *Peneaus* spp. of shrimp.

PMID 8059680: shrimp extracts and other extracts (Beecham, UK) used for SPT. No break down of data by specific seafood.

PMID 2440933: This paper showed crossreactivity by RAST between Uncooked oyster (*crassostrea virginica*) and uncooked shrimp (*Peneaus setiferus*) (56%), Uncooked oyster and spiny Lobster (85%), Uncooked oyster and blue crab (*Callinectes sapidus*) (88%)

PMID 15510583: 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts (including *Penaeus* spp of shrimp). No comment was made on the correlation between skin test positive reactions and history. No challenges were performed.

PMID 16948358: 64 Seafood workers were skin prick tested for allergy to different seafood extracts, including shrimp (Stallergens). 8 of 64 workers tested positive to shrimp.

PMID 16620221: shrimp and crab cross-react (source not given).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
78_ Allergol et Immunopathol 22-83.pdf	8059680	Castillo, R.	1994
78_ J allergy Clin Immunol 80-716.pdf	3680815	Daul, C.B.	1987
78_ J allergy Clin Immunol 80-133.pdf	2440933	Lehrer, S.B.	1987
85_ J allergy Clin Immunol 76-440.pdf	4031316	Waring, N.P.	1985
85_ J Dermatology 3 - 174.pdf	16620221	Zhang, Y.	2006
96_ Allergy 51-272.pdf	8792927	Lemière, C.	1996
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 112 - Food - Fish and Shellfish, Shrimp Penaeus sp.**

**Recommended Scientific Name** Penaeus, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

**Search Strategy**

PubMed: shrimp allergy; shrimp allergen; Penaeus allergy; Penaeus allergen

Google: shrimp allergy; shrimp allergy adverse; shrimp allergen; shrimp allergen adverse; same search performed for Penaeus

**Nomenclature**

According to ITIS, there are 3 different species within the Penaeus genus (P. esculentus, P. monodon, P. semisulcatus), all are types of tiger shrimp (or prawn). The current genus and species names are: Penaeus aztecus is a synonym for Farfantepenaeus aztecus, Penaeus indicus is a synonym for Fenneropenaeus indicus, and Penaeus setificus (correctly spelled - Penaeus setiferus) is a synonym for Litopenaeus setiferus.

**Parent Product**

112 - Food - Fish and Shellfish, Shrimp Penaeus sp.

**Published Data**

All but one paper that gave the type of shrimp used Peneaus spp.

PMID 4031316: 14 people with history of shrimp allergy had SPT to shrimp extract (Penaeus setificus). 12 had positive SPTs of 10mg/ml or less. (one in ten negative controls had a positive SPT at 10 mg/ml). 9 had a positive RAST ratio.

PMID 3680815: 33 people with history of immediate allergy to shrimp had SPT tested with shrimp extracts ( 'as described previously' - PMID 4031316). Of a total of 33 patients, 28 had a positive reaction to shrimp. RAST values correlated well with shrimp SPT.

PMID 8792927: One individual with history of allergy to seafood had a positive SPT to shrimp extract (Hollister-Stier). She also had a positive RAST and inhalation challenge. Hollister-Stier only sells Crangon, not Peneaus spp. of shrimp.

PMID 8059680: shrimp extracts and other extracts (Beecham, UK) used for SPT. No break down of data by specific seafood.

PMID 2440933: This paper showed crossreactivity by RAST between Uncooked oyster (crassostrea virginica) and uncooked shrimp (Peneaus setifecus) (56%), Uncooked oyster and spiny Lobster (85%), Uncooked oyster and blue crab (Callinectes sapidus) (88%)

PMID 15510583: 70 shellfish allergic patients had one or more positive reactions when skin prick tested with more than 6 different shellfish extracts (including Penaeus spp of shrimp). No comment was made on the correlation between skin test positive reactions and history. No challenges were performed.

PMID 16948358: 64 Seafood workers were skin prick tested for allergy to different seafood extracts, including shrimp (Stallergens). 8 of 64 workers tested positive to shrimp.

PMID 16620221: shrimp and crab cross-react (source not given).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
85_ J allergy Clin Immunol 76-440.pdf	4031316	Waring, N.P.	1985
96_ Allergy 51-272.pdf	8792927	Lemière, C.	1996
78_ Allergol et Immunopathol 22-83.pdf	8059680	Castillo, R.	1994
78_ J allergy Clin Immunol 80-133.pdf	2440933	Lehrer, S.B.	1987
82_ Allergy and Asthma Proc 25 - 237.pdf	15510583	Wu, A.Y.	2004
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006
85_ J Dermatology 3 - 174.pdf	16620221	Zhang, Y.	2006
112_ J allergy Clin Immunol 80-716.pdf	3680815	Daul, C.B.	1987

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 113 - Food - Fish and Shellfish, Sole Parophrys sp.**

Recommended Scientific Name Parophrys vetulus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: sole allergy SPT; sole allergen; parophrys allergy; parophrys allergen

Google: sole allergy; sole allergy adverse; sole allergen; sole allergen adverse; same search performed for parophrys

Nomenclature

According to ITIS, the correct spelling of Parophrys is Parophrys. The only listed species is Parophrys vetulus. Common name is English sole. Synonyms are listed as Inopsetta ischyra, Parophrys hubbardii, P. vetula, and Pleuronectes vetulus. The Parophrys genus is found in the Pleuronectini tribe, Pleuronectinae subfamily, and Pleuronectidae family.

Parent Product

113 - Food - Fish and Shellfish, Sole Parophrys sp.

Published Data

PMID 2262645: 60 children with allergic history were tested with a panel of allergen extracts. 20 had a positive reaction to cod extract (*Gadus morhua*). This correlated with their history. Serum from these children showed cross reactivity between cod, bass, dentex, eel, sole and tuna. These fish are from three different orders: perciformes, gadiformes, and pleuronectiformes. Sole is in the pleuronectiformes order.

PMID8705636: 35 fish-allergic patients were skin prick tested with 16 different commercial extracts. Sole (*Parophrys cetulus*) (possibly misspelled) SPT data: 17 out of 35 had positive skin prick test; 1 out of 39 had positive history. No challenges were performed

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 114 - Food - Fish and Shellfish, Sole Psettichthys**

Recommended Scientific Name Psettichthys melanostictus

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: sole allergy SPT; sole allergen; Psettichthys allergy; Psettichthys allergen

Google: sole allergy; sole allergy adverse; sole allergen; sole allergen adverse; same search performed for Psettichthys

Nomenclature

ITIS only lists one species in this genus: Psettichthys melanostictus. The common name of P. melanostictus is sand sole. The Psettichthys genus is found in the Psettichthyini tribe, Pleuronectinae subfamily, and Pleuronectidae family.

Parent Product

114 - Food - Fish and Shellfish, Sole Psettichthys

Published Data

PMID 2262645: 60 children with allergic history were tested with a panel of allergen extracts. 20 had a positive reaction to cod extract (Gadus morhua). This correlated with their history. Serum from these children showed cross reactivity between cod, bass, dentex, eel, sole and tuna. These fish are from three different orders: perciformes, gadiformes, and pleuronectiformes. Sole is in the pleuronectiformes order.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 115 - Food - Fish and Shellfish, Swordfish Xiphias gladius**

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: swordfish allergy; swordfish allergen; Xiphias gladius allergy; Xiphias gladius allergen

Google: swordfish allergy; swordfish allergy adverse; swordfish allergen; swordfish allergen adverse; the same search performed for Xiphias gladius

**Nomenclature**

According to ITIS, the scientific name, Xiphias gladius, is correct and current. Common names are listed as broadbill and swordfish. Synonyms are listed as: Plaethonichthys tuberculatus, Tetrapturus imperator, Xiphias estara, X. rondeletii, and X. thermajcus. The Xiphias genus is found in the Xiphiidae family.

**Parent Product**

115 - Food - Fish and Shellfish, Swordfish Xiphias gladius

**Published Data**

PMID 8814049: A paper used commercial and fresh extracts of swordfish to diagnose allergy in a swordfish-allergic patient. There is only one genus and species of swordfish: Xiphias gladius.

PMID 2262645: Another paper shows cross-reactivity between 3 genera in the order perciformes. This is the same order as swordfish.

PMID 19796207: fish allergic patients had positive skin prick test for swordfish Xiphias gladius, showed cross reactivity with cod and whiff

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
115_ Ann Allergy Asthma Immunol 77 - 227.pdf	8814049	Kelso, J.M.	1996
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
115_ allergy 65-191.pdf	19796207		0

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 116 - Food - Fish and Shellfish, Trout, Gulf Speckled Salmo sp.**

**Recommended Scientific Name** Salmo, (species to be specified)

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: trout allergy; trout allergen; Salmo allergy; Salmo allergen

Google: trout allergy; trout allergy adverse; trout allergen; trout allergen adverse; the same search performed for Gulf Speckled Salmo and Salmo

**Nomenclature**

Trouts are in the subfamily Salmoninae (along with salmons and salmonids). There are 30 species in the genus salmo (including salmon). Speckled trout is listed as Salvelinus fontinalis in fishbase.

**Parent Product**

116 - Food - Fish and Shellfish, Trout, Gulf Speckled Salmo sp.

**Published Data**

PMID 1545094: 11 fish allergic people were skin prick tested with several fish extracts (Greer). Five of six people skin prick tested with trout extract gave a positive response. Each person was challenged orally with Trout, only one had a positive response. IgE ELISA inhibition studies were performed on two sera individually. Both were from sera of salmon allergic patients. Salmon, trout and flounder extracts all inhibited IgE binding of salmon extracts. Trout is in the same order as salmon. Flounder is in a different order and the patients had a history of not having clinical reactions to flounder. Whey did not inhibit binding.

PMID 2262645: The presence of a positive clinical history and skin test (ST) results for 17 fish species were investigated in 20 children with cod-positive clinical history. 7 of 20 cod-positive children had positive ST to trout (S. trutta)

PMID 16948358: Seafood workers were skin prick tested for allergy to different seafood extracts. No genera were listed, but the European companies the extracts were purchased from were listed. 1 of 64 workers tested positive to trout.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 117 - Food - Fish and Shellfish, Trout, Lake Salmo sp.**

**Recommended Scientific Name** Salmo, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: trout allergy; trout allergen; Salmo allergy; Salmo allergen

Google: trout allergy; trout allergy adverse; trout allergen; trout allergen adverse; the same search performed for Lake Salmo

**Nomenclature**

Trouts are in the subfamily Salmoninae (along with salmon and salmonids). There are 30 species in the genus salmo. ITIS has a lake trout with genus and species *Salvelinus namaycush*.

**Parent Product**

117 - Food - Fish and Shellfish, Trout, Lake Salmo sp.

**Published Data**

PMID 1545094: 11 fish allergic people were skin prick tested with several fish extracts (Greer). Five of six people skin prick tested with trout extract gave a positive response. Each person was challenged orally with Trout, only one had a positive response. IgE ELISA inhibition studies were performed on two sera individually. Both were from sera of salmon allergic patients. Salmon, trout and flounder extracts all inhibited IgE binding of salmon extracts. Trout is in the same order as salmon. Flounder is in a different order and the patients had a history of not having clinical reactions to flounder. Whey did not inhibit binding.

PMID 2262645: The presence of a positive clinical history and skin test (ST) results for 17 fish species were investigated in 20 children with cod-positive clinical history. 7 of 20 cod-positive children had positive ST to trout (*S. trutta*)

PMID 16948358: Seafood workers were skin prick tested for allergy to different seafood extracts. No genera were listed, but the European companies the extracts were purchased from were listed. 1 of 64 workers tested positive to trout.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
99_J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
119_J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
116_Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 118 - Food - Fish and Shellfish, Trout, Lake Salvelinus sp.**

**Recommended Scientific Name** Salvelinus, (species to be specified)

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: trout allergy; trout allergen; Salvelinus allergy; Salvelinus allergen

Google: trout allergy; trout allergy adverse; trout allergen; trout allergen adverse; the same search performed for Lake Salvelinus

**Nomenclature**

According to ITIS, trouts are in the subfamily Salmoninae (along with salmons and salmonids). There are 46 species in the genus Salvelinus. Salvelinus namaycush is a lake trout. There are no papers specifically on this genus and species of trout.

**Parent Product**

118 - Food - Fish and Shellfish, Trout, Lake Salvelinus sp.

**Published Data**

PMID 1545094: 11 fish allergic people were skin prick tested with several fish extracts (Greer). Five of six people skin prick tested with trout extract gave a positive response. Each person was challenged orally with Trout, only one had a positive response. IgE ELISA inhibition studies were performed on two sera individually. Both were from sera of salmon allergic patients. Salmon trout and flounder extracts all inhibited IgE binding of salmon extracts. Trout is in the same order as salmon. Flounder is in a different order and the patients had a history of not having clinical reactions to flounder. They did not inhibit binding.

PMID 2262645: The presence of a positive clinical history and skin test (ST) results for 17 fish species were investigated in 20 children with cod-positive clinical history. 7 of 20 cod-positive children had positive ST to trout (*S. trutta*)

PMID 16948358: Seafood workers were skin prick tested for allergy to different seafood extracts. No genera were listed, but the (European) companies the extracts were purchased from were listed. 1 of 64 workers tested positive to trout.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
119_ J Allergy Clin Immunol 89-730.pdf	1545094	Bernhisel-Broadbent,	1992
116_ Allergy Asthma Proc 27 - 399.pdf	16948358	Kalogeromitros, D.	2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	none
<u>Therapy:</u>	Category IIIA	none

**Product: 119 - Food - Fish and Shellfish, Tuna Neothunnus sp.**

**Recommended Scientific Name** Neothunnus, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: tuna allergy; tuna allergen; Neothunnus allergy; Neothunnus allergen

Google: tuna allergy; tuna allergy adverse; tuna allergen; tuna allergen adverse; the same search was performed for Neothunnus

**Nomenclature**

According to ITIS and Fishbase, the current scientific name for Neothunnus is Thunnus. In ITIS, there are three Species listed: T. albacares, T. atlanticus, and T. tongol. The Thunnus genus is found in the Thunnini tribe, Scombrinae subfamily, and Scombridae family.

**Parent Product**

119 - Food - Fish and Shellfish, Tuna Neothunnus sp.

**Published Data**

PMID 2262645: Eleven of twenty cod-allergic children are skin prick test positive to tuna extract (Thunnus thynnus). Tuna and cod are shown to interact by RAST inhibition experiments.

PMID 16337465: Seven people were skin prick tested with tuna extract (Thunus albacres). One person had a positive reaction. Results were consistent with IgE data.

PMID 9291417 This paper reports five children with histories of allergic reactions following the ingestion of catfish (4/5), cod (1/5), and tuna (1/5). All five patients had positive SPT and/or RAST to fish extracts.

PMID: 20152850 Scombroid food poisoning caused by eating spoiled fish (including sardines) can resemble an allergic reaction

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
119_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
119_ Ann Allergy Asthma Immunol 79-131.pdf	9291417	James, J.M.	1997
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 120 - Food - Fish and Shellfish, Tuna Thunnus sp.**

**Recommended Scientific Name** Thunnus, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: tuna allergy; tuna allergen; Thunnus allergy; Thunnus allergen

Google: tuna allergy; tuna allergy adverse; tuna allergen; tuna allergen adverse; the same search was performed for Thunnus

**Nomenclature**

According to ITIS and Fishbase, the genus name Thunnus is current. In ITIS, there are three species listed: T. albacares, T. atlanticus, and T. tongol. The Thunnus genus is found in the Thunnini tribe, Scombrinae subfamily, and Scombridae family.

**Parent Product**

120 - Food - Fish and Shellfish, Tuna Thunnus sp.

**Published Data**

PMID 2262645: Eleven of twenty cod-allergic children are skin prick test positive to tuna extract (Thunnus thynnus). Tuna and cod are shown to interact by RAST inhibition experiments.

PMID 16337465: Seven people were skin prick tested with tuna extract (Thunus albacres). One person had a positive reaction. Results were consistent with IgE data.

PMID: 20152850 Scombroid food poisoning caused by eating spoiled fish (including sardines) can resemble an allergic reaction

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
99_ J Allergy Clin Immunol 86-909.pdf	2262645	de Martino, M.	1990
84_ J Allergy Clin Immunol 116-1314.pdf	16337465	Van Do, T.	2005

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product:** 121 - Food - Fish and Shellfish, Whitefish, Lake Coregonus sp.

**Recommended Scientific Name** Coregonus, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: whitefish allergy; whitefish allergen; lake coregonus allergy; coregonus allergen

Google: whitefish allergy; whitefish allergy adverse; whitefish allergen; whitefish allergen adverse; the same search was performed for coregonus

**Nomenclature**

According to ITIS, there are over 60 species of fish in the Coregonus genus. The only species within this genus with the common name of 'lake whitefish,' is Coregonus clupeaformis. The Coregonus genus is found in the Coregoninae subfamily and Salmonidae family.

**Parent Product**

121 - Food - Fish and Shellfish, Whitefish, Lake Coregonus sp.

**Published Data**

PMID 8705636: 35 patients were skin prick tested with 16 different commercial extracts (species defined). Some extracts were also made and used for skin prick tests. Whitefish (Coregonus spp.): 18/35 had positive skin prick test; 10/39 had positive history.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product:** 122 - Food - Fish and Shellfish, Whitefish, Lake Prosopium sp.

**Recommended Scientific Name** Prosopium, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: whitefish allergy; whitefish allergen; lake prosopium allergy; prosopium allergen

Google: whitefish allergy; whitefish allergy adverse; whitefish allergen; whitefish allergen adverse; the same search was performed for prosopium

**Nomenclature**

According to ITIS, there are 6 species in the genus Prosopium. The only species within this genus with the common name of Bear 'lake whitefish' is Prosopium abyssicola. The Prosopium genus is found in the Coregoninae subfamily and Salmonidae family.

**Parent Product**

122 - Food - Fish and Shellfish, Whitefish, Lake Prosopium sp.

**Published Data**

PMID 8705636: 35 patients were skin prick tested with 16 different commercial extracts (species defined). Some extracts were also made and used for skin prick tests. Whitefish (Coregonus spp.): 18/35 had positive skin prick test; 10/39 had positive history

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
77_ Ann Allergy Asthma Immunol 77 - 48.pdf	8705636	Helbling, A.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 123 - Food - Plant Source, Allspice Pimenta officinalis**

**Recommended Scientific Name** Pimenta dioica

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: allspice and allergy; allspice and allergen; Pimenta officinalis and allergen; Pimenta officinalis and allergy

Google: allspice allergy; allspice allergy adverse; allspice allergen; allspice allergen adverse; same search performed for Pimenta officinalis and Pimenta dioica

**Nomenclature**

Based on ITIS, the currently accepted name for Pimenta officinalis is Pimenta dioica. The common name of allspice is correct. P. officinalis is also listed as a synonym. The Pimenta genus is found in the Myrtaceae family.

**Parent Product**

123 - Food - Plant Source, Allspice Pimenta officinalis

**Published Data**

Only one paper (PMID: 8930476) was found that used allspice to diagnose allergy. This paper used fresh spice not an extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
123_ Contact Derma 35-157.pdf	8930476	Kanerva, L.	1996

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 124 - Food - Plant Source, Almond Prunus amygdalus****Recommended Common Name** Almond, Sweet**Recommended Scientific Name** Prunus dulcis**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: almond and allergy; almond and allergen; Prunus amygdalus and allergy; Prunus amygdalus and allergen

Google: almond allergy; almond allergy adverse; almond allergen; almond allergen adverse; same search performed for Prunus amygdalus

**Nomenclature**

According to ITIS, the accepted name for Prunus amygdalus is Prunus dulcis. The common name is sweet almond. Additional synonyms are: Amygdalus communis, A. dulcis, Prunus amygdalus, P. communis. The Prunus genus is found in the Rosaceae family.

**Parent Product**

125 - Food - Plant Source, Almond Prunus dulcis

**Related Products**

124 - Food - Plant Source, Almond Prunus amygdalus

**Published Data**

One study (PMID: 12269944) had 65 patients with 351 SPT and food specific IgE determination, performed with potentially cross-reactive foods considered in the study. Of these 223 (64%) results were positive. Actual clinical relevancy was evaluated by 358 open challenges and 25 sets of DBPCFC. Only 8% (18/223) positive results of SPT or food specific IgE levels of greater than 0.35 kUa/l to potential cross-reactive foods were clinically relevant. The foods considered in the study were avocado, banana, kiwi, chestnut, melon, peach, apple, apricot, plum, almond, peanut, sunflower seed, walnut, pistachio, and hazelnut. The clinical relevance of SPT or positive IgE to these foods ranged from 0% to 36%. The sensitivity of SPT overall was 100%. Another observational study (PMID: 12911776) of 1000 patients who are allergic to at least one nut. History of reactions or tolerance to peanut, hazelnut, cashew, almond, pecan, brazil nut, and walnut was obtained and skin prick test (SPT) and serum-specific IgE (CAP) performed. Where patients tolerated a nut, 43% had positive SPT. Of patients with a clear nut-allergic history, only 0.5% had negative SPT.

A study (PMID: 16176398) of seven hundred and eighty-four nut-allergic children, prospectively enrolled on first attendance with history of a type I allergic reaction shortly after definite nut ingestion with evidence of sensitization (presence of nut-specific IgE) and by skin prick test (SPT) to peanut, Brazil, almond, hazel, and walnut (positive  $\geq 3$  mm). All these patients had nut-allergy clinical history and positive SPT.

In PMID: 10887323 thirty-four adult patients complaining of adverse reactions to Rosaceae were included in the study. No evidence of clinical reactivity was found in 66% of positive skin prick tests and 63% of positive specific IgE to fruits. Among these, rates of clinical reactivity to seven foods of the Rosaceae family were: peach (92%), plum (22%), pear (6%), apple (33%), almond (7%), apricot (36%), and strawberry (8%). The sensitivity of SPT overall was 95%.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
124_Clin Exp Allergy 33-1041.pdf	12911776	Clark, A.T.	2003
124_Pediatr Allergy Immunol 16-507.pdf	16176398	Clark, A.T.	2005
129_J Allergy Clin Immunol 106-183.pdf	10887323	Rodriguez, J.	2000
124_Allergy 57-946.pdf	12269944	Crespo, J.F.	2002

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 125 - Food - Plant Source, Almond *Prunus dulcis*****Recommended Common Name** Almond, Sweet**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**PubMed: almond and allergy; almond and allergen; *Prunus dulcis* and allergy; *Prunus dulcis* and allergenGoogle: almond allergy; almond allergy adverse; almond allergen; almond allergen adverse; same search performed for *Prunus dulcis***Nomenclature**

According to ITIS, the scientific name, *Prunus dulcis*, is correct and current. The common name is sweet almond. Additional synonyms are: *Amygdalus communis*, *A. dulcis*, *Prunus amygdalus*, *P. communis*. The *Prunus* genus is found in the Rosaceae family.

**Parent Product**125 - Food - Plant Source, Almond *Prunus dulcis***Related Products**124 - Food - Plant Source, Almond *Prunus amygdalus***Published Data**

One study (PMID: 12269944) had 65 patients with 351 SPT and food specific IgE determination, performed with potentially cross-reactive foods considered in the study. Of these 223 (64%) results were positive. Actual clinical relevancy was evaluated by 358 open challenges and 25 sets of DBPCFC. Only 8% (18/223) positive results of SPT or food specific IgE levels of greater than 0.35 kUa/l to potential cross-reactive foods were clinically relevant. The foods considered in the study were avocado, banana, kiwi, chestnut, melon, peach, apple, apricot, plum, almond, peanut, sunflower seed, walnut, pistachio, and hazelnut. The clinical relevance of SPT or positive IgE to these foods ranged from 0% to 36%. The sensitivity of SPT overall was 100%.

Another observational study (PMID: 12911776) of 1000 patients who are allergic to at least one nut. History of reactions or tolerance to peanut, hazelnut, cashew, almond, pecan, brazil nut, and walnut was obtained and skin prick test (SPT) and serum-specific IgE (CAP) performed. Where patients tolerated a nut, 43% had positive SPT. Of patients with a clear nut-allergic history, only 0.5% had negative SPT.

A study (PMID: 16176398) of seven hundred and eighty-four nut-allergic children, prospectively enrolled on first attendance with history of a type I allergic reaction shortly after definite nut ingestion with evidence of sensitization (presence of nut-specific IgE) and by skin prick test (SPT) to peanut, Brazil, almond, hazel, and walnut (positive  $\geq 3$  mm). All these patients had nut-allergy clinical history and positive SPT.

In PMID: 10887323 thirty-four adult patients complaining of adverse reactions to Rosaceae were included in the study. No evidence of clinical reactivity was found in 66% of positive skin prick tests and 63% of positive specific IgE to fruits. Among these, rates of clinical reactivity to seven foods of the Rosaceae family were: peach (92%), plum (22%), pear (6%), apple (33%), almond (7%), apricot (36%), and strawberry (8%). The sensitivity of SPT overall was 95%.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
124_Clin Exp Allergy 33-1041.pdf	12911776	Clark, A.T.	2003
124_Pediatr Allergy Immunol 16-507.pdf	16176398	Clark, A.T.	2005
124_Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
129_J Allergy Clin Immunol 106-183.pdf	10887323	Rodriguez, J.	2000

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 126 - Food - Plant Source, Anise Seed Pimpinella anisum**

**Recommended Common Name** Anise Burnet Saxifrage

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: anise and allergy; anise and allergy; Pimpinella anisum and allergy; Pimpinella anisum and allergy

Google: anise seed allergy; anise seed allergy adverse; anise seed allergen; anise seed allergen adverse; same search performed for Pimpinella anisum

**Nomenclature**

According to ITIS, the scientific name Pimpinella anisum, is correct and current. The common name is listed as anise burnet saxifrage. Anisum vulgare is listed as a synonym. The Pimpinella genus is found in the Apiaceae family.

**Parent Product**

126 - Food - Plant Source, Anise Seed Pimpinella anisum

**Published Data**

One case report (PMID: 8836339) showed a case of occupational allergy to aniseed (Pimpinella anisum). Patient tested positive to bronchial provocation test (BPT). Type I hypersensitivity was suggested by positive SPT and demonstration of specific IgE antibodies to aniseed by RAST.

In PMID: 12868972 a patient with history of atopy, developed symptoms when handling dill plants. Anise extracts were prepared using a standard method. IgE ELISA score of 2.5 was obtained for anise and a positive SPT.

One case report (PMID: 12027075) showed a case of occupational allergy to aniseed associated with rhinoconjunctivitis and gastrointestinal symptoms. Patient has positive SPT, positive nasal challenge test, and positive oral food challenge to aniseed.

In PMID: 1957997, 48 out of 70 patients were positive to aniseed by scratch tests. Appears as if spice was used instead of an extract for testing.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
195_ Allergy 46 -475.pdf	1957997	Stager, J.	1991
198_ Ann Allergy Asthma Immunol 88 - 518.pdf	12027075	García-González, J.J.	2002
198_ contact dermatitis 48 - 275.pdf	12868972	Monteseirín, J.	2003
126_ Allergy 51-337.pdf	8836339	Fraj, J.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 127 - Food - Plant Source, Apple Malus pumila**

**Recommended Common Name** Apple, Paradise

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Malus pumila and allergy; Malus pumila and allergen; paradise apple and allergy; paradise apple and allergen; apple and allergy; malus and allergy and skin prick

Google: apple allergy; apple allergy adverse; apple allergen; apple allergen adverse; same search performed for Malus pumila

**Nomenclature**

Based on ITIS, the scientific name, Malus pumila, is correct and current. The common name is paradise apple. Synonyms are: M. communis, M. domestica, M. sylvestris, and P. pumila. The Malus genus is found in the Rosaceae family.

**Parent Product**

127 - Food - Plant Source, Apple Malus pumila

**Related Products**

128 - Food - Plant Source, Apple Malus sylvestris

**Published Data**

There are no known data using Malus pumila extract for diagnosing apple allergy. Two papers (PMID: 10887323 and 12269944) were identified that used fresh apples for diagnosis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
129_ J Allergy Clin immunol 106-183.pdf	10887323	Rodriguez, J.	2000
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 128 - Food - Plant Source, Apple Malus sylvestris**

**Recommended Common Name** Apple, Paradise

**Recommended Scientific Name** Malus pumila

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: Malus sylvestris and allergy; Malus sylvestris and allergen; Pyrus malus and allergy; Pyrus malus and allergen  
Google: apple allergy; apple allergy adverse; apple allergen; apple allergen adverse; same search performed for Malus sylvestris and Malus pumila

**Nomenclature**

Based on ITIS, the current scientific name of Malus sylvestris is Malus pumila. The common name is paradise apple. Synonyms are: M. communis, M. domestica, M. sylvestris, and P. pumila. The Malus genus is found in the Rosaceae family.

**Parent Product**

127 - Food - Plant Source, Apple Malus pumila

**Related Products**

128 - Food - Plant Source, Apple Malus sylvestris

**Published Data**

There are no known data using Malus pumila extract for diagnosing apple allergy. Two papers (PMID: 10887323 and 12269944) were identified that used fresh apples for diagnosis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
129_ J Allergy Clin immunol 106-183.pdf	10887323	Rodriguez, J.	2000
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 129 - Food - Plant Source, Apricot *Prunus armeniaca***

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: apricot and allergy; apricot and allergy and skin prick; *Prunus armeniaca* and allergy and skin prick; *Prunus armeniaca* and allergen and skin prick

Google: apricot allergy; apricot allergy adverse; apricot allergen; apricot allergen adverse; same search performed for *Prunus armeniaca*

**Nomenclature**

According to ITIS, the scientific name, *Prunus armeniaca*, is correct and current. The common name is listed as apricot. *Armeniaca vulgaris* is listed as a synonym. The *Prunus* genus is found in the Rosaceae family.

**Parent Product**

129 - Food - Plant Source, Apricot *Prunus armeniaca*

**Published Data**

In PMID: 10887323, 26 and 24 patients had positive skin prick tests and CAP FEIA with Rosaceae, respectively. No evidence of clinical reactivity was found in 66% of positive skin prick tests and 63% of positive specific IgE to fruits. Among these, rates of clinical reactivity to seven foods of the Rosaceae family were: peach (92%), plum (22%), pear (6%), apple (33%), almond (7%), apricot (36%), and strawberry (8%). The study used fresh fruits for skin-prick test. The sensitivity of SPT overall was 95%.

In PMID: 12269944, 65 patients had 351 additional SPT and food specific IgE determination, performed with potentially cross-reactive foods considered in the study. Of these 223 (64%) results were positive. Actual clinical relevancy was evaluated by 358 open challenges and 25 sets of DBPCFC. Only 8% (18/223) positive results of SPT or food specific IgE levels of greater than 0.35 kUa/l to potential cross-reactive foods were clinically relevant. The foods considered in the study were avocado, banana, kiwi, chestnut, melon, peach, apple, apricot, plum, almond, peanut, sunflower seed, walnut, pistachio, and hazelnut. The clinical relevance of SPT of positive IgE to these foods ranged from 0% to 36%. The sensitivity of SPT overall was 100%. Prick-prick tests with fresh fruits were used for all the fruits.

In PMID: 7930303, 23 patients with oral allergy syndrome for peach and positive SPT and RAST results for peach and other prunoideae were recruited. Open food challenge showed clinical relevancy of positive SPT for cherry to be 52.6%, 42.1% for plum, and 31.7% for apricot. The study didn't address the sensitivity issue. Prick-prick tests with fresh fruits were used for all the fruits.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
129_ J Allergy Clin Immunol 106-183.pdf	10887323	Rodriguez, J.	2000
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
129_ J Allergy Clin Immunol 94-699.pdf	7930303	Pastorello, E.A.	1994

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 130 - Food - Plant Source, Apricot Prunus sp.**

**Recommended Scientific Name** Prunus, (species to be specified)

**Manufacturers of this Product**

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: apricot and allergy; apricot and allergy and skin prick; Prunus and allergy and skin prick; Prunus and allergen and skin prick

Google: apricot allergy; apricot allergy adverse; apricot allergen; apricot allergen adverse; same search performed for Prunus

**Nomenclature**

According to ITIS, there are over 55 species within the Prunus genus. The common names for this genus are chokecherry, plum, and prunus. The scientific and common names need to be updated. The Prunus genus is found in the Rosaceae family.

**Parent Product**

130 - Food - Plant Source, Apricot Prunus sp.

**Published Data**

There are no known published data.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 131 - Food - Plant Source, Arrowroot Curcuma angustifolia**

**Recommended Common Name** Arrowroot, Indian

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: arrowroot and allergy; arrowroot and allergen; Maranta arundinacea and allergen; Curcuma angustifolia and allergen; Curcuma angustifolia and allergy

Google: arrowroot allergy; arrowroot allergy adverse; arrowroot allergen; arrowroot allergen adverse; same search performed for Curcuma angustifolia

**Nomenclature**

According to ITIS, the scientific name, Curcuma angustifolia, is correct and current. The common name is listed as east indian arrowroot. The common name for Maranta arundinacea is arrowroot. The Curcuma genus is found in the Zingiberaceae family.

**Parent Product**

131 - Food - Plant Source, Arrowroot Curcuma angustifolia

**Published Data**

There are no known published data.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 132 - Food - Plant Source, Artichoke Cynara scolymus**

**Recommended Common Name** Artichoke, Globe

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: artichoke and allergy; artichoke and allergen; Cynara scolymus and allergy; Cynara scolymus and allergen

Google: artichoke allergy; artichoke allergy adverse; artichoke allergen; artichoke allergen adverse; same search performed for Cynara scolymus

**Nomenclature**

According to ITIS, the scientific name, Cynara scolymus, is correct and current. The common name for this product is globe artichoke. The Cynara genus is found in the Asteraceae family.

**Parent Product**

132 - Food - Plant Source, Artichoke Cynara scolymus

**Published Data**

PMID: 12877457 reported of two atopic females who developed rhinitis and bronchial asthma by sensitization to artichoke.

Both patients had positive SPT and nasal challenge to artichoke extracts.

PMID: 10879999 reported one case of urticaria-angioedema after ingestion of both raw and boiled artichokes. Skin prick tests with commercial artichoke extracts, or fresh, or boiled artichokes were positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
132_ Ann Allergy Asthma Immunol 91-92.pdf	12877457	Miralles, J.C.	2003
132_ Invest Allergol Clin Immunol 10-102.pdf	10879999	Romano, C.	2000

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 133 - Food - Plant Source, Artichoke, Jerusalem Helianthus tuberosus**

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Helianthus tuberosus and allergy; Helianthus tuberosus and allergen; Jerusalem artichoke and allergy and skin prick; Jerusalem artichoke and allergy and skin prick

Google: artichoke allergy; artichoke allergy adverse; artichoke allergen; artichoke allergen adverse; same search performed for Jerusalem artichoke and Helianthus tuberosus

**Nomenclature**

According to ITIS, the scientific name, Helianthus tuberosus, is correct and current. The common names are listed as Jerusalem artichoke and Jerusalem sunflower. Two synonyms are listed: H. tomentosus and H. tuberosus var. subcanescens. The Helianthus genus is found in the Asteraceae family. Wikipedia: The Jerusalem artichoke Helianthus tuberosus is a species of sunflower. The edible part of the plant is the tuber. When unqualified, the term "artichoke" nearly always refers to the globe artichoke, of which the aboveground part is eaten, in contrast to Jerusalem artichoke and Chinese artichoke, where the root part is eaten.

**Parent Product**

133 - Food - Plant Source, Artichoke, Jerusalem Helianthus tuberosus

**Published Data**

There are no known published data.

<b>Panels:</b>	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 134 - Food - Plant Source, Asparagus *Asparagus officinalis***

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Asparagus and allergy; Asparagus and allergen; Asparagus officinalis and allergy; Asparagus officinalis and allergy  
Google: asparagus allergy; asparagus allergy adverse; asparagus allergen; asparagus allergen adverse; the same search performed for Asparagus officinalis

**Nomenclature**

According to ITIS, the scientific name, *Asparagus officinalis*, is correct and current. Common names are listed as asparagus and garden asparagus. The Asparagus genus is found Liliaceae family.

**Parent Product**

134 - Food - Plant Source, Asparagus *Asparagus officinalis*

**Published Data**

In PMID: 12027075, a patient reported having stomach pain and general malaise after eating foods containing asparagus. SPT was positive to asparagus extract.

Another case report (PMID: 10753025) showed two patients having IgE mediated contact urticaria with cooked asparagus and showed positive SPT and IgE to cooked asparagus extract.

In PMID: 9930601 a 28-year-old man complained of rhinoconjunctivitis and asthma when harvesting asparagus at work. SPT with raw asparagus was positive. The patient had an immediate asthmatic response after challenge with raw asparagus extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
198_ Ann Allergy Asthma Immunol 88 - 518.pdf	12027075	García-González, J.J.	2002
203_ allergy 55 - 297.pdf	10753025	Sanchez-Hernandez,	2000
134_ Allergy 53-1216.pdf	9930601	Lopez-Rubio, A.	1998

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 135 - Food - Plant Source, Avocado Persea americana**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: avocado and allergy and skin prick; avocado allergen SPT; Persea americana allergy; Persea americana allergy  
Google: avocado allergen; avocado allergen adverse; avocado allergy; avocado allergy adverse; the same search performed for Persea americana

**Nomenclature**

According to ITIS, the scientific name, Persea americana, is correct and current. The common name is avocado. P. persea is listed as a synonym. Two varieties are listed: P. americana var. Americana and P. americana var. drymifolia. The Persea genus is found in the Lauraceae family.

**Parent Product**

135 - Food - Plant Source, Avocado Persea americana

**Published Data**

In PMID: 12269944, 65 patients had 351 additional SPT and food specific IgE determination, performed with potentially cross-reactive foods considered in the study. Of these 223 (64%) results were positive. Actual clinical relevancy was evaluated by 358 open challenges and 25 sets of DBPCFC. Only 8% (18/223) positive results of SPT or food specific IgE levels of greater than 0.35 kUa/l to potential cross-reactive foods were clinically relevant. The foods considered in the study were avocado, banana, kiwi, chestnut, melon, peach, apple, apricot, plum, almond, peanut, sunflower seed, walnut, pistachio, and hazelnut. The clinical relevance of SPT of positive IgE to these foods ranged from 0% to 36%. The sensitivity of SPT overall was 100%. Prick-prick tests with fresh fruits were used for all the fruits.

In PMID: 12452211 four subjects complained about symptoms after banana consumption, SPT with aeroallergens: latex, banana, avocado, and kiwi were performed. Two patients had positive SPT and CAP to avocado.

One report (PMID: 10069887) of eighteen latex-allergic patients who are also allergic to chestnut, avocado, or both. Sixteen patients had positive symptom to avocado ingestion. All of them had positive SPT to avocado extract. Of the two who were not allergic to avocado, one had positive SPT.

One case report (PMID: 9134065) shows a 6-year-old Caucasian boy who had cutaneous and respiratory reactions to banana and avocado. SPT were positive to banana, avocado, and chestnut.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
136_ Ann Allergy Asthma Immunol 89-513.pdf	12452211	Grob, M.	2002
135_ J Allergy Clin Immunol 103-507.pdf	10069887	Blanco, C.	1999
135_ Allergy asthma proc 18-85.pdf	9134065	Freeman, G.L.	1997

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 136 - Food - Plant Source, Banana Musa paradisiaca**

**Recommended Common Name** Plantain, French

**Recommended Scientific Name** Musa X paradisiacal

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: banana and allergy and skin prick; Musa paradisiaca and allergy; Musa paradisiaca and allergen; Musa and allergy

Google: banana allergy; banana allergy adverse; banana allergen; banana allergen adverse; same search performed for Musa paradisiaca

**Nomenclature**

According to ITIS, the current scientific name for Musa paradisiaca is Musa X paradisiacal. The common name is French plantain and synonyms are: Musa ornate var. normalis and M. sapientum. The Musa genus is found in the Musaceae family.

**Parent Product**

136 - Food - Plant Source, Banana Musa paradisiaca

**Related Products**

137 - Food - Plant Source, Banana Musa sapientum

**Published Data**

Panel I mentioned in its report two cases of banana allergy and correlated strongly positive skin tests to banana extract.

Passive transfer studies done with one individual's serum was strongly positive. The Genus and species name of banana was not mentioned.

Allergy provoked by ingestion or handling of banana fruit is usually found among latex-allergic patients, and frequently associated with sensitization to other foods, such as avocado, chestnut, and kiwi.

In a case report (PMID: 12269944), banana allergy of seven of the ten patients with positive SPT to banana was confirmed by DBPCFC. Prick-prick test was used for SPT. The species name of the banana was not mentioned.

In a case report (PMID: 12452211), four patients complained about symptoms after banana consumption. All four patients showed a positive SPT to banana and three were IgE-CAP positive. Two patients' banana allergy was confirmed by DBPCFC. The species name of the banana extract used for SPT was not mentioned.

In PMID: 10231328 fifteen patients with clinical history of immediate reactions to banana and positive prick by prick test with banana were tested for SPT with banana extract (Musa paradisiaca). 93% (14/15) of the SPT responses were positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
136_ Ann Allergy Asthma Immunol 89-513.pdf	12452211	Grob, M.	2002
136_ clin Exp Allergy 29-673.pdf	10231328	Sanchez-Monge, R.	1999

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 137 - Food - Plant Source, Banana Musa sapientum**

**Recommended Common Name** Plantain, French

**Recommended Scientific Name** Musa X paradisiacal

**Manufacturers of this Product**

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: banana and allergy and skin prick; Musa sapientum and allergy; Musa sapientum and allergen; Musa and allergy  
Google: banana allergy; banana allergy adverse; banana allergen; banana allergen adverse; same search performed for Musa sapientum

**Nomenclature**

According to ITIS, the current scientific name for Musa sapientum is Musa X paradisiacal. The common name is French plantain and synonyms are: Musa ornate var. normalis and M. sapientum. The Musa genus is found in the Musaceae family.

**Parent Product**

136 - Food - Plant Source, Banana Musa paradisiaca

**Related Products**

137 - Food - Plant Source, Banana Musa sapientum

**Published Data**

Panel I mentioned in its report two cases of banana allergy and correlated strongly positive skin tests to banana extract. Passive transfer studies done with one individual's serum was strongly positive. The Genus and species name of banana was not mentioned.

Allergy provoked by ingestion or handling of banana fruit is usually found among latex-allergic patients, and frequently associated with sensitization to other foods, such as avocado, chestnut, and kiwi.

In a case report (PMID: 12269944), banana allergy of seven of the ten patients with positive SPT to banana was confirmed by DBPCFC. Prick-prick test was used for SPT. The species name of the banana was not mentioned.

In a case report (PMID: 12452211), four patients complained about symptoms after banana consumption. All four patients showed a positive SPT to banana and three were IgE-CAP positive. Two patients' banana allergy was confirmed by DBPCFC. The species name of the banana extract used for SPT was not mentioned.

In PMID: 10231328 fifteen patients with clinical history of immediate reactions to banana and positive prick by prick test with banana were tested for SPT with banana extract (Musa paradisiaca). 93% (14/15) of the SPT responses were positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
136_ Ann Allergy Asthma Immunol 89-513.pdf	12452211	Grob, M.	2002
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
136_ clin Exp Allergy 29-673.pdf	10231328	Sanchez-Monge, R.	1999

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 138 - Food - Plant Source, Barley, Whole Grain Hordeum vulgare**

**Recommended Common Name** Barley, Common

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: barley and allergy and skin prick; barley allergen SPT; Hordeum vulgare allergy; Hordeum vulgare allergen

Google: barley allergy; barley allergy adverse; barley allergen; barley allergen adverse; same search also performed for Hordeum vulgare

**Nomenclature**

According to ITIS, the scientific name, Hordeum vulgare, is correct and current. Common names are listed as barley, cereal barley, and common barley. Synonyms are listed as: Hordeum aegiceras, H. distichon, H. hexastichon, H. hexastichum, H. irregulare, H. sativum, and H. vulgare var. trifurcatum. The Hordeum genus is found in the Poaceae family.

**Parent Product**

138 - Food - Plant Source, Barley, Whole Grain Hordeum vulgare

**Published Data**

In PMID: 7560636 one hundred forty-five patients, with positive SPT to one or more cereal grain (including barley), were included in the study. 20 out of 45 (45%) had positive SPTs and 1 out of 25 had a positive challenge response to barley. Barley extracts were used. The genus and species were not defined.

In PMID: 12190662 sixty-six patients were distributed into three groups based on their age and clinical data. Nine of the 10 patients sensitized to barley had RAST class 4 to cereal. Barley extracts were used. The genus and species were not defined.

In PMID: 15853958 eighteen wheat-allergic children were evaluated for reactions to other cereals. Barley was SPT positive in eight (44%) of the patients. Positive serum-specific IgE was seen in 16 patients (88.8%) for barley. There was a correlation between wheat and barley-specific IgE concentration ( $r=0.773$ ,  $p<0.01$ ). Ten patients (55.5%) had positive barley challenge tests.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995
138_ Clin Exp Allergy 32-1216.pdf	12190662	Armentia, A.	2002
138_ Ped Allerg Immun 16-262.pdf	15853958	Pourpak, Z.	2005

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 139 - Food - Plant Source, Basil Ocium basilicum**

**Recommended Common Name** Basil, Sweet

**Recommended Scientific Name** Ocimum basilicum

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: basil and allergy; basil and allergen; Ocimum basilicum and allergen; Ocimum basilicum and allergy

Google: basil allergy; basil allergy adverse; basil allergen; basil allergen adverse; same search performed for (Ocimum basilicum – misspelled) Ocimum basilicum

**Nomenclature**

According to ITIS, the correct spelling of Ocium basilicum is Ocimum basilicum. The common name is sweet basil and Ocimum americanum is listed as a synonym. The Ocimum genus is found in the Lamiaceae family.

**Parent Product**

139 - Food - Plant Source, Basil Ocium basilicum

**Published Data**

There are no known published data.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 140 - Food - Plant Source, Bay Leaves Laurus nobilis**

**Recommended Common Name** Bay, Sweet

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: bay leaves and allergy; bay leaf and allergen; bay leaf and allergy; Laurus nobilis and allergy; Laurus nobilis and allergen

Google: bay leaves allergy; bay leaves allergy adverse; bay leaves allergen; bay leaves allergen adverse; same search performed for Laurus nobilis

**Nomenclature**

According to ITIS, the scientific name, Laurus nobilis, is correct and current. The common name is sweet bay. The Laurus genus is found in the Lauraceae family. According to Wikipedia, there are three kinds of bay leaf: Mediterranean bay leaf (Laurus nobilis), California bay leaf (Umbellularia californica), and Indian bay leaf (Cinnamomum tejpata).

**Parent Product**

140 - Food - Plant Source, Bay Leaves Laurus nobilis

**Published Data**

One paper (PMID: 8899117) reported a case of occupational asthma induced by bay leaf and proved by specific inhalation challenge. SPT to bay leaf was positive. The extracts for SPT were prepared by suspending the spice in saline solution. No Genus or species name was mentioned.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
140_allergy 51-647.pdf	8899117	Lemière, C.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 141 - Food - Plant Source, Bean, Lima Phaseolus limensis**

**Recommended Common Name** Bean, Sieva

**Recommended Scientific Name** Phaseolus lunatus

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: lima bean and allergy; lima bean and allergen; Phaseolus limensis and allergy; Phaseolus limensis and allergen; Phaseolus and allergy; Phaseolus and allergen

Google: lima bean allergy; lima bean allergy adverse; lima bean allergen; lima bean allergen adverse; the same search performed for Phaseolus limensis

**Nomenclature**

According to ITIS, the current scientific name for Phaseolus limensis is Phaseolus lunatus. The common name is sieva bean. Synonyms are: Phaseolus inamoenus, P. limensis, P. lunatus var. lunonanus, and P. tunkinensis. The Phaseolus genus is found in the Fabaceae family.

**Parent Product**

142 - Food - Plant Source, Bean, Lima Phaseolus lunatus

**Related Products**

141 - Food - Plant Source, Bean, Lima Phaseolus limensis

**Published Data**

One paper (PMID: 2918186) was found diagnosing lima bean allergy using skin prick test. Thirteen children had positive skin prick test to lima bean extract, but none of the children had positive oral challenge reaction to lima bean. Neither genus nor species of lima bean was described.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
141_J Allergy Clin Immunol 83-435.pdf	2918186	Bernhisel-Broadbent,	1989

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 142 - Food - Plant Source, Bean, Lima Phaseolus lunatus**

**Recommended Common Name** Bean, Sieva

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: lima bean and allergy; lima bean and allergen; Phaseolus lunatus and allergy; Phaseolus lunatus and allergen; Phaseolus and allergy; Phaseolus and allergen

Google: lima bean allergy; lima bean allergy adverse; lima bean allergen; lima bean allergen adverse; the same search performed for Phaseolus lunatus

**Nomenclature**

According to ITIS, the scientific name, Phaseolus lunatus, is correct and current. The common name is sieva bean. Synonyms are: Phaseolus inamoenus, P. limensis, P. lunatus var. lunonanus, and P. tunkinensis. The Phaseolus genus is found in the Fabaceae family.

**Parent Product**

142 - Food - Plant Source, Bean, Lima Phaseolus lunatus

**Related Products**

141 - Food - Plant Source, Bean, Lima Phaseolus limensis

**Published Data**

One paper (PMID: 2918186) was found diagnosing lima bean allergy using skin prick test. Thirteen children had positive skin prick test to lima bean extract, but none of the children had positive oral challenge reaction to lima bean. Neither genus nor species of lima bean was described.

In PMID: 17614972, of 20 patients who had elevated IgE levels to P. juliflora (mesquite pollen), four showed elevated IgE levels against P. lunatus but none had a positive skin test to P. lunatus. These four also had higher IL-4 levels than normal controls. Of note is that none of these subjects had any food allergy induced symptoms reported in the paper. This study supports immunochemical cross-reaction between P. juliflora and P. lunatus but does not support any clinical significance.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
141_ J Allergy Clin Immunol 83-435.pdf	2918186	Bernhisel-Broadbent,	1989
142_ Clin Exp Immuno 149-517.pdf	17614972	Dhyani, A.	2007

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 143 - Food - Plant Source, Bean, Mung Vigna radiata**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: mung bean and allergen; mung bean and allergy; vigna radiata and allergy; vigna radiata and allergen; vigna and allergy; vigna and allergen

Google: mung bean allergy; mung bean allergy adverse; mung bean allergen; mung bean allergen adverse; same search performed for Vigna radiata

**Nomenclature**

According to ITIS, the scientific name, Vigna radiata, is correct and current. The common name is listed as mung bean. Two varieties are listed; V. radiata var. radiata and V. radiata var. sublobata. The Vigna genus is found in the Fabaceae family.

**Parent Product**

143 - Food - Plant Source, Bean, Mung Vigna radiata

**Published Data**

There are no known published data.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 144 - Food - Plant Source, Bean, Navy Phaseolus vulgaris**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: navy bean and allergy; navy bean and allergen; phaseolus vulgaris and allergen; phaseolus vulgaris and allergy

Google: navy bean allergy; navy bean allergy adverse; navy bean allergen; navy bean allergen adverse; same search performed for Phaseolus vulgaris

**Nomenclature**

According to ITIS, Phaseolus vulgaris common name is kidney bean. According to

[http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus\\_vulgaris.htm](http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus_vulgaris.htm), Green beans, Large white beans, Flageolet, Black bean, Borlotto bean, Red kidney bean, Cannellino bean, and Sugar bean are common names of Phaseolus vulgaris.

**Parent Product**

144 - Food - Plant Source, Bean, Navy Phaseolus vulgaris

**Published Data**

One case report (PMID: 16176404) found a patient was allergic to leupine. SPT showed positive reactions to other legumes, including peanut and navy bean extract. But the in-vitro cross-reactivity with other legumes was only relevant with peanut because all the other boiled legumes were tolerated in oral challenge. The inconsistency between SPT and oral food challenge could be that the legume extract was made from uncooked beans.

Another case report (PMID: 9470014) showed that out of 9 patients who have positive SPT to navy bean, 5 were oral challenged. One was confirmed positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
144_ pediatr allergy immunol 16-542.pdf	16176404	Moreno-Ancillo, A.	2005
76_ J pediatr 132-132.pdf	9470014	Burks, A.W.	1998

<b>Panels:</b>	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 145 - Food - Plant Source, Bean, Pinto Phaseolus vulgaris**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: pinto bean and allergy; pinto bean and allergen; phaseolus vulgaris and allergen; phaseolus vulgaris and allergy  
Google: navy bean allergy; navy bean allergy adverse; navy bean allergen; navy bean allergen adverse; same search performed for Phaseolus vulgaris

**Nomenclature**

According to ITIS, Phaseolus vulgaris common name is kidney bean. According to [http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus\\_vulgaris.htm](http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus_vulgaris.htm), Green beans, Large white beans, Flageolet, Black bean, Borlotto bean, Red kidney bean, Cannellino bean, and Sugar bean are common names of Phaseolus vulgaris.

**Parent Product**

145 - Food - Plant Source, Bean, Pinto Phaseolus vulgaris

**Published Data**

One case report (PMID: 9470014) showed that out of 9 patients who have positive SPT to navy bean, 5 were oral challenged. One was confirmed positive. Also, 6 patients had positive SPT to kidney bean, two of the five patients orally challenged were positive. Six patients had positive SPT to green bean, none of the 4 orally challenged were positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
76_J_pediatr 132-132.pdf	9470014	Burks, A.W.	1998

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 146 - Food - Plant Source, Bean, Red Kidney Phaseolus vulgaris**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: kidney bean and allergy; kidney bean and allergen; phaseolus vulgaris and allergen; phaseolus vulgaris and allergy  
Google: navy bean allergy; navy bean allergy adverse; navy bean allergen; navy bean allergen adverse; same search performed for Phaseolus vulgaris

**Nomenclature**

According to ITIS, Phaseolus vulgaris common name is kidney bean. According to [http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus\\_vulgaris.htm](http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus_vulgaris.htm), Green beans, Large white beans, Flageolet, Black bean, Borlotto bean, Red kidney bean, Cannellino bean, and Sugar bean are common names of Phaseolus vulgaris.

**Parent Product**

146 - Food - Plant Source, Bean, Red Kidney Phaseolus vulgaris

**Published Data**

One case report (PMID: 9470014) showed that out of 9 patients who have positive SPT to navy bean, 5 were oral challenged. One was confirmed positive. Also, 6 patients had positive SPT to kidney bean, two of the five patients orally challenged were positive. Six patients had positive SPT to green bean, none of the 4 orally challenged were positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
76_J_pediatr_132-132.pdf	9470014	Burks, A.W.	1998

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 147 - Food - Plant Source, Bean, String Green Phaseolus vulgaris**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: string bean and allergy; string bean and allergen; green bean and allergy; green bean and allergen and skin prick; phaseolus vulgaris and allergen; phaseolus vulgaris and allergy  
Google: navy bean allergy; navy bean allergy adverse; navy bean allergen; navy bean allergen adverse; same search performed for Phaseolus vulgaris

**Nomenclature**

According to ITIS, Phaseolus vulgaris common name is kidney bean. According to [http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus\\_vulgaris.htm](http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus_vulgaris.htm), Green beans, Large white beans, Flageolet, Black bean, Borlotto bean, Red kidney bean, Cannellino bean, and Sugar bean are common names of Phaseolus vulgaris.

**Parent Product**

147 - Food - Plant Source, Bean, String Green Phaseolus vulgaris

**Published Data**

One case report (PMID: 9470014) showed that out of 9 patients who have positive SPT to navy bean, 5 were oral challenged. One was confirmed positive. Also, 6 patients had positive SPT to kidney bean, two of the five patients orally challenged were positive. Six patients had positive SPT to green bean, none of the 4 orally challenged were positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
76_J pediatr 132-132.pdf	9470014	Burks, A.W.	1998

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 148 - Food - Plant Source, Bean, White Kidney Phaseolus spp**

Recommended Scientific Name Phaseolus vulgaris

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: white kidney bean and allergy; white kidney bean and allergen; phaseolus vulgaris and allergen; phaseolus vulgaris and allergy

Google: navy bean allergy; navy bean allergy adverse; navy bean allergen; navy bean allergen adverse; same search performed for Phaseolus vulgaris

Nomenclature

According to ITIS, Phaseolus vulgaris common name is kidney bean. According to [http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus\\_vulgaris.htm](http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus_vulgaris.htm), Green beans, Large white beans, Flageolet, Black bean, Borlotto bean, Red kidney bean, Cannellino bean, and Sugar bean are common names of Phaseolus vulgaris.

Parent Product

148 - Food - Plant Source, Bean, White Kidney Phaseolus spp

Published Data

One case report (PMID: 9470014) showed that out of 9 patients who have positive SPT to navy bean, 5 were oral challenged. One was confirmed positive. Also, 6 patients had positive SPT to kidney bean, two of the five patients orally challenged were positive. Six patients had positive SPT to green bean, none of the 4 orally challenged were positive. One case report was found on using this product in SPT to diagnose white kidney bean allergy. Results of specific IgE assayed by CAP and oral food challenge are consistent with positive SPT result.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
76_J pediatr 132-132.pdf	9470014	Burks, A.W.	1998

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 149 - Food - Plant Source, Bean, Yellow Wax Phaseolus vulgaris**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

**Search Strategy**

PubMed: yellow bean and allergy; yellow bean and allergen; yellow wax bean and allergy; yellow wax bean and allergen; phaseolus vulgaris and allergen; phaseolus vulgaris and allergy

Google: navy bean allergy; navy bean allergy adverse; navy bean allergen; navy bean allergen adverse; same search performed for Phaseolus vulgaris

**Nomenclature**

According to ITIS, Phaseolus vulgaris common name is kidney bean. According to

[http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus\\_vulgaris.htm](http://www.biodiversityexplorer.org/plants/fabaceae/phaseolus_vulgaris.htm), Green beans, Large white beans, Flageolet, Black bean, Borlotto bean, Red kidney bean, Cannellino bean, and Sugar bean are common names of Phaseolus vulgaris.

**Parent Product**

149 - Food - Plant Source, Bean, Yellow Wax Phaseolus vulgaris

**Published Data**

One case report (PMID: 9470014) showed that out of 9 patients who have positive SPT to navy bean, 5 were oral challenged. One was confirmed positive. Also, 6 patients had positive SPT to kidney bean, two of the five patients orally challenged were positive. Six patients had positive SPT to green bean, none of the 4 orally challenged were positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
76_J_pediatr_132-132.pdf	9470014	Burks, A.W.	1998

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 150 - Food - Plant Source, Beet Beta vulgaris**

**Recommended Common Name** Beet, Common

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: beet and allergy; beet and allergen; Beta vulgaris and allergy; Beta vulgaris and allergen

Google: beet allergy; beet allergy adverse; beet allergen; beet allergen adverse; same search performed for Beta vulgaris

**Nomenclature**

According to ITIS, the scientific name, Beta vulgaris, is correct and current. Common name is listed as common beet.

Synonyms are listed as Beta maritime and B. vulgaris ssp. maritime. There are two subspecies listed: B. vulgaris ssp. cicia and macrocarpa. The Beta genus is found in the Chenopodiaceae family.

**Parent Product**

150 - Food - Plant Source, Beet Beta vulgaris

**Published Data**

One case report (PMID: 1600801) of a patient with occupational asthma in the beet sugar processing industry.

Symptomatology, skin testing, immunologic testing, and specific bronchoprovocation testing indicate exposure to moldy sugar beet pulp was the cause of the patient's occupational asthma. Intradermal reaction was 3+ to ground up sugar beet pulp pellets. No commercial available allergenic extract was used.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
150_Chest 101-1720.pdf	1600801	Rosenman, K.D.	1992

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 151 - Food - Plant Source, Black Eyed Pea, Vigna unguiculata**

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: black eyed pea and allergy; black eyed pea and allergen; Vigna unguiculata and allergy; Vigna unguiculata and allergen

Google: black eyed pea allergy; black eyed pea allergy adverse; black eyed pea allergen; black eyed pea allergen adverse; same search performed for Vigna unguiculata

**Nomenclature**

According to ITIS, the scientific name, Vigna unguiculata, is correct and current. The common name is blackeyed pea. Synonym is Vigna sinensis. There are four subspecies of Vigna unguiculata listed: cylindrical, dekindtiana, sesquipedalis, and unguiculata. The Vigna genus is found in the Fabaceae family.

**Parent Product**

151 - Food - Plant Source, Black Eyed Pea, Vigna unguiculata

**Published Data**

Based on the FDA Poisonous Plant Database, rats that were fed cowpeas (Vigna unguiculata) had enlarged pancreases. The common name between this product and the product listed in the FDA Poisonous Plant Database are different. ITIS does not listed cowpea as a subspecies.

PMID: 9470014 describes a study in which 163 patients were skin prick tested with a series of food extracts including black-eyed pea. Thirteen patients had a positive response to this extract. Nine people were challenged with black eyed pea and one had a positive response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
76_J pediatri 132-132.pdf	9470014	Burks, A.W.	1998

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 152 - Food - Plant Source, Black, English Juglans nigra**

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: black walnut and allergy; Juglans nigra and allergen; Juglans nigra and allergy

Google: black walnut allergy; black walnut allergy adverse; black walnut allergen; black walnut allergen adverse; same search performed for Juglans nigra

**Nomenclature**

According to PLANTS database, the genus Juglans contains 12 species of walnuts. They are separated into 4 taxonomic sections: Dioscaryon (English Walnut; J. regia), Rhysocaryon (Black Walnut; J. nigra, J. californica, J. hindsii, J. major, and J. microcarpo), Cardiocaryon (Asian Butternut) and Trachycaryon (American Butternut; J. cinerea). According to ITIS, the scientific name, Juglans nigra, is correct and current. The common name is black walnut. Wallia nigra is listed as a synonym. The Juglans genus is found in the Juglandaceae family.

**Parent Product**

318 - Food - Plant Source, Walnut, Black Juglans nigra

**Related Products**

152 - Food - Plant Source, Black, English Juglans nigra

**Published Data**

Walnut is an important allergen. In the US between 1994 and 1999 3 of the 32 anaphylactic-related deaths from food were caused by walnuts. Walnut allergy has been reported to be from 0.2 - 0.7% of the U.S. population.

There are two species of walnut that are currently used for extracts. PMID 15479274 shows extensive cross-reactivity between these two species of walnut (J. regia and J. nigra), as well as between J. nigra and J. californica, and between J. nigra and J. cinerea. The rest of the papers reviewed do not mention the species or type of walnut used. Based on PMID 15479274, all papers were used to support both walnut extracts.

Four of the papers (PMID 14989401, 10582717, 14767457, and 15480333) are case reports of individuals that had allergic reactions after being exposed to walnuts or walnut-containing foods. All four papers included patients with positive reactions to skin prick tests with walnut extracts. The fifth paper (PMID 16095141) used patient sera to do in vitro studies. In order to be included in this study, all subjects must have positive skin prick tests with commercial walnut extracts and a positive oral challenge to walnuts. There were 46 such patients.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
124_ Ann Allergy Asthma Immunol 92-281.pdf	14989401	Nguyen, S.A.	2004
274_ Ann Allergy Asthma Immunol 83 - 377.pdf	10582717	Asero, R.	1999
273_ Ann Allergy Asthma Immunol 95 -45.pdf	16095141	Goetz, D.W.	2005
318_ J Allergy Clin Immunol 113 - 358.pdf	14767457	Asero, R.	2004
318_ J Allergy Clin Immunol 114 - 908.pdf	15480333	Pastorello, E.A.	2004
318_ Clin Exp Allergy 34 - 1583.pdf	15479274	Comstock, S.S.	2004

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 153 - Food - Plant Source, Blackberry Rubus alleghaniensis**

**Recommended Common Name** Blackberry, Allegheny

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: blackberry and allergy; blackberry and allergen; rubus and allergy; rubus and allergen

Google: blackberry allergy; blackberry allergy adverse; blackberry allergen; blackberry allergen adverse; same search performed for Rubus allegheniensis

**Nomenclature**

According to ITIS, the scientific name, Rubus alleghaniensis, is correct and current. The common name is Allegheny blackberry. Two varieties of Rubus allegheniensis are listed: allegheniensis and gravesii. The Rubus genus is found in the Rosaceae family.

**Parent Product**

153 - Food - Plant Source, Blackberry Rubus alleghaniensis

**Published Data**

PMID 11476463: Case report of a subject who experienced urticaria and throat swelling after eating blackberries, strawberries, and raspberries. He had a positive SPT. Oral-challenge testing was not performed.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
153_ Ann Allergy Asthma Immunol 87-54.pdf	11476463	Armentia, A.	2001

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 154 - Food - Plant Source, Blackberry Rubus macropetalus**

**Recommended Common Name** Blackberry, California

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: blackberry and allergy; blackberry and allergen; rubus and allergy; rubus and allergen

Google: Google: blackberry allergy; blackberry allergy adverse; blackberry allergen; blackberry allergen adverse; same search performed for Rubus macropetalus

**Nomenclature**

According to ITIS, the current name of Rubus macropetalus is correct and current. The common name is California blackberry. Two synonyms are listed: Rubus macropetalus and Rubus ursinus var. macropetalus. The Rubus genus is found in the Rosaceae family.

**Parent Product**

154 - Food - Plant Source, Blackberry Rubus macropetalus

**Published Data**

PMID 11476463: Case report of a subject who experienced urticaria and throat swelling after eating blackberries, strawberries, and raspberries. He had a positive SPT. Oral-challenge testing was not performed.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
153_ Ann Allergy Asthma Immunol 87-54.pdf	11476463	Armentia, A.	2001

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 155 - Food - Plant Source, Blueberry Vaccinium canadense**

**Recommended Common Name** Huckleberry, Velvetleaf

**Recommended Scientific Name** Vaccinium myrtilloides

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: blueberry and allergy; blueberry and allergen; Vaccinium and allergy; Vaccinium and allergen

Google: blueberry allergy; blueberry allergy adverse; blueberry allergen; blueberry allergen adverse; the same search was performed for Vaccinium canadense

**Nomenclature**

According to ITIS, the current name of Vaccinium canadense is Vaccinium myrtilloides. Additional synonyms are Cyanococcus Canadensis and Vaccinium angustifolium var. myrtilloides. The common name is listed as velvetleaf huckleberry. The Vaccinium genus is found in the Ericaceae family.

**Parent Product**

155 - Food - Plant Source, Blueberry Vaccinium canadense

**Published Data**

No data were found on Vaccinium canadense or Vaccinium myrtilloides.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 156 - Food - Plant Source, Blueberry Vaccinium myrtilloides**

**Recommended Common Name** Huckleberry, Velvetleaf

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: blueberry and allergy; blueberry and allergen; Vaccinium and allergy; Vaccinium and allergen

Google: blueberry allergy; blueberry allergy adverse; blueberry allergen; blueberry allergen adverse; the same search was performed for Vaccinium myrtilloides

**Nomenclature**

According to ITIS, the scientific name, Vaccinium myrtilloides, is correct and current. Synonyms are Cyanococcus Canadensis, Vaccinium canadense, and Vaccinium angustifolium var. myrtilloides. The common name is listed as velvetleaf huckleberry. The Vaccinium genus is found in the Ericaceae family.

**Parent Product**

156 - Food - Plant Source, Blueberry Vaccinium myrtilloides

**Published Data**

No data were found on Vaccinium canadense or Vaccinium myrtilloides.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 157 - Food - Plant Source, Boysenberry Rubus spp.**

Recommended Scientific Name Rubus, (species to be specified)

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: boysenberry; rubus allergy; rubus allergen

Google: boysenberry allergy; boysenberry allergy adverse; boysenberry allergen; boysenberry allergen adverse; same search performed for rubus

Nomenclature

According to ITIS, there are nine varieties and over 200 species of Rubus listed. A boysenberry is a cross among a blackberry, red raspberry and loganberry (Wikipedia). ITIS does not list 'boysenberry'.

Parent Product

157 - Food - Plant Source, Boysenberry Rubus spp.

Published Data

No supportive data were identified.

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 158 - Food - Plant Source, Brazil Nut Bertholletia excelsa**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: brazil nut and allergy; Bertholletia excelsa

Google: brazil nut allergy; brazil nut allergy adverse; brazil nut allergen; brazil nut allergen adverse; same search performed for Bertholletia excelsa

**Nomenclature**

According to ITIS, the scientific name, Bertholletia excelsa, is correct and current. The common name is listed as brazilnut. The Bertholletia genus is found in the Lecythidaceae family. The Brazil Nut is a South American tree Bertholletia excelsa in the family Lecythidaceae. It is the only species in the genus Bertholletia, according to ITIS and USDA PLANTS database.

**Parent Product**

158 - Food - Plant Source, Brazil Nut Bertholletia excelsa

**Published Data**

PMID 16433861: Brazil Nut allergy diagnosis, combination of history, SPT and serum-specific IgE was adequate in achieving a diagnosis in the majority (77%) patients with suspected Brazil nut allergy. However, a doubtful history with SPT between 1 and 5 mm, or a serum-specific IgE less than 3.5 KU/L may require an oral challenge to help determine the risk of a Brazil nut allergic reaction.

PMIDs. 16176398, 12911776, and 14989401 use Brazil nut extracts to diagnosis nut allergies.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
124_ Pediatr Allergy Immunol 16-507.pdf	16176398	Clark, A.T.	2005
124_ Clin Exp Allergy 33-1041.pdf	12911776	Clark, A.T.	2003
124_ Ann Allergy Asthma Immunol 92-281.pdf	14989401	Nguyen, S.A.	2004
158_ Clin Exp Allergy 36-226.pdf	16433861	Ridout, S.	2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 159 - Food - Plant Source, Broccoli Brassica botrytis (or oleracea var. botrytis)**

**Recommended Scientific Name** Brassica oleracea var. botrytis

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Broccoli and allergy and skin; Broccoli and allergen and skin; Brassica oleracea and allergy; Brassica oleracea and allergen; Brassica and allergy and skin; Brassica and allergen and skin

Google: broccoli allergy; broccoli allergy adverse; broccoli allergen; broccoli allergen adverse; same search performed for Brassica botrytis, Brassica oleracea

**Nomenclature**

According to ITIS, the scientific name, Brassica oleracea var. botrytis, is correct and current. Brassica botrytis is not listed in ITIS. The common name is listed as broccoli. The Brassica genus is found in the Brassicaceae family.

**Parent Product**

159 - Food - Plant Source, Broccoli Brassica botrytis (or oleracea var. botrytis)

**Published Data**

PMID 16751008: Seventeen cabbage-hypersensitive patients were included in this study. All had positive SPT with fresh cabbage (Brassica oleracea var. capitata). Five patients had anaphylactic reactions when eating cabbage. Another nine patients underwent DBPCFC with five of them having positive challenge results. Ten patients were also allergic to cauliflower, with all of them showing positive SPT and specific IgE to this food. The source of the cauliflower extract was not mentioned. Showed crossreactivity between cabbage allergen Bra O 3 and broccoli (73 %) and cauliflower (57 %) in CAP-inhibition assay.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
162_J Allergy Clin Immunol 117-1423.pdf	16751008	Palacín, A.	2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 160 - Food - Plant Source, Brussel Sprouts Brassica gemmifera (or oleracea var. gemmifera)**

**Recommended Scientific Name** Brassica oleracea var. gemmifera

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Brussel Sprouts and allergy; Brussel Sprouts and allergen; brassica gemmifera

Google: Brussel sprouts allergy; Brussel sprouts allergy adverse; Brussel sprouts allergen; Brussel sprouts allergen adverse; same search performed for brassica gemmifera, Brassica oleracea

**Nomenclature**

According to ITIS, the scientific name, Brassica oleracea var. gemmifera, is correct and current. Brassica gennifera is not listed in ITIS. The common name is listed as brussel sprouts. The Brassica genus is found in the Brassicaceae family.

**Parent Product**

160 - Food - Plant Source, Brussel Sprouts Brassica gemmifera (or oleracea var. gemmifera)

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 161 - Food - Plant Source, Buckwheat Fagopyrum esculentum**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: buckwheat and allergy and skin; Fagopyrum esculentum;

Google: buckwheat allergy; buckwheat allergy adverse; buckwheat allergen; buckwheat allergen adverse; same search Fagopyrum esculentum

**Nomenclature**

According to ITIS, the scientific name, Fagopyrum esculentum, is correct and current. Common names are listed as buckwheat, common buckwheat, and fagopyrum. Synonyms are listed as Fagopyrum esculentum: F. fagopyrum, F. sagittatum, F. vulgare, Polygonum fagopyrum. The Fagopyrum genus is found in the Polygonaceae family.

**Parent Product**

161 - Food - Plant Source, Buckwheat Fagopyrum esculentum

**Published Data**

PMID 14616108: In one paper, forty-four children with positive SPT to commercial buckwheat (BW) (Fagopyrum esculentum) extract were studied. Twenty-eight children showed symptoms after BW open food challenge and sixteen were asymptomatic. BW-provocation reactors had significantly longer levels of skin wheal diameter than nonreactors. If the optimal skin wheal diameter was set at 7 mm, then the sensitivity and specificity were 62.5 and 100 %, respectively.

PMID 12669902: This case report describes a patient who developed asthma and worsening allergic rhinitis after exposure to a buckwheat pillow. Patient had a 4+ skin prick test response to buckwheat (F. exculemum) extract and a class 4 (strongly positive) response to ImmunoCAP test for buckwheat-specific IgE.

PMID 1510289: This case report describes a patient who developed urticaria and hypotension after ingestion of buckwheat crepes. Skin testing by the prick technique revealed 3+ positive reaction to buckwheat (F. schulentum) extract. RAST for anti-buckwheat IgE was strongly positive. F. schulentum was not found in ITIS.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
161_ Allergy 58-1308.pdf	14616108	Sohn, M.H.	2003
161_ Ann Allergy Asthma Immunol 90-355.pdf	12669902	Fritz, S.B.	2003
161_ Ann Allergy 69-439.pdf	1510289	Davidson, A.E.	1992

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 162 - Food - Plant Source, Cabbage Brassica capitata (or oleracea var. capitata)**

**Recommended Scientific Name** Brassica oleracea

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Brassica oleracea and allergy; Brassica oleracea and allergen; Brassica and allergy and skin; Brassica and allergen and skin; cabbage and allergy and skin; cabbage and allergen and skin

Google: cabbage allergy; cabbage allergy adverse; cabbage allergen; cabbage allergen adverse; same search performed for Brassica capitata and Brassica oleracea

**Nomenclature**

According to ITIS, accepted name of Brassica oleracea var. capitata is Brassica oleracea. Brassica capitata is not listed in ITIS. The common name is listed as cabbage. An additional synonym is Brassica oleracea var. acephala. Five varieties of B. oleracea are listed. The Brassica genus is found in the Brassicaceae family.

**Parent Product**

162 - Food - Plant Source, Cabbage Brassica capitata (or oleracea var. capitata)

**Published Data**

PMID 3565859: An atopic female had facial and throat swelling after she ingested coleslaw on two separate occasions. SPT with commercial extract showed a 4+ reaction to cabbage (Brassica), mustard, and cauliflower. A 3+ reaction to broccoli. SPT with undiluted raw cabbage extract gave a 3+ reaction compared to a 4+ reaction with the commercial cabbage extract. A RAST using cabbage extract was positive for specific IgE Ab.

PMID 16751008: Seventeen cabbage-hypersensitive patients were included in this study. All had positive SPT with fresh cabbage (Brassica oleracea var. capitata) and crude cabbage extract. Five patients had anaphylactic reactions when eating cabbage. Another nine patients underwent DBPCFC with five of them having positive challenge results. Ten patients were also allergic to cauliflower, with all of them showing positive SPT and specific IgE to this food. The source of the cauliflower extract was not mentioned. This paper also showed crossreactivity between cabbage allergen Bra O 3 and broccoli (73 %) and cauliflower (57 %) in CAP-inhibition assay.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
162_ J Allergy Clin Immunol 117-1423.pdf	16751008	Palacin, A.	2006
162_ Ann Allergy 58-248.pdf	3565859	Blaiss, M.S.	1987

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 163 - Food - Plant Source, Cabbage, Chinese (Petrai) Brassica pekinensis**

**Recommended Common Name** Mustard, Field

**Recommended Scientific Name** Brassica rapa var. amplexicaulis

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: chinese cabbage and allergy; chinese cabbage and allergen; pak choi and allergen; pak choi and allergy; Bok Choi; brassica pekinensis allergy

Google: chinese allergy; chinese allergy adverse; chinese allergen; chinese allergen adverse; same search results performed for brassica pekinensis

**Nomenclature**

According to ITIS, the current name of Brassica pekinensis is Brassica rapa var. amplexicaulis. An additional synonym is B. pe-tsai. Common names are listed as field mustard, rape, and rape mustard. The Brassica genus is found in the Brassicaceae family.

**Parent Product**

163 - Food - Plant Source, Cabbage, Chinese (Petrai) Brassica pekinensis

**Published Data**

There are no papers on this product.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 164 - Food - Plant Source, Cacao bean Theobroma cacao**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: Cacao bean and allergy; Cacao bean and allergen; Theobroma cacao and allergy and skin; Theobroma cacao and allergen

Google: Cacao bean allergy; Cacao bean allergy adverse; Cacao bean allergen; Cacao bean allergen adverse; same search results performed for Theobroma cacao

**Nomenclature**

According to ITIS, the scientific name, Theobroma cacao, is correct and current. The common name is cacao. There are two subspecies listed: T. cacao ssp. cacao and sphaerocarpum. The Theobroma genus is found in the Sterculiaceae family. Theobroma cacao is the only species for cacao bean (PLANTS database and wikipedia).

**Parent Product**

164 - Food - Plant Source, Cacao bean Theobroma cacao

**Related Products**

184 - Food - Plant Source, Cocoa Bean Theobroma cacao

**Published Data**

PMID 5918258: One was a 1966 paper in which 18 of 25 children tested intracutaneously with cocoa extract gave a positive reaction. All children were fed chocolate under observation of the author and each gave an allergic response.

PMID 9265998: Extracts of cacao bean were roasted, the sheath was removed and the internal portion was ground to powder. Both preparations induced a wheal response from the allergic patient, but not from 10 non-allergic controls. The patient was challenged bronchially with powder extract and experiences an immediate 12 % decrease in his FEV1.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
164_ Ann Allergy 24-484.pdf	5918258	Fries, J.H	1966
164_ Allergy 52-778.pdf	9265998	Perfetti, L.	1997

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 165 - Food - Plant Source, Cantalope (Muskmelon) Cucumis melo**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: cantalope and allergy; cantalope and allergen; cucumis melon and allergy; cucumis melon and allergen

Google: cantalope allergy; cantalope allergy adverse; cantalope allergen; cantalope allergen adverse; same search results performed for cantaloupe, cucumis melon

**Nomenclature**

According to ITIS, the scientific name, Cucumis melo, is correct and current. The common name is listed as cantaloupe and a synonym is listed as Cucumis melo var. dudaim. The Cucumis genus is found in the Cucurbitaceae family. Cantaloupe (also "cantaloup") refers to two different varieties of muskmelon, Cucumis melo. The European cantaloupe is Cucumis melo cantalupensis. The North American cantaloupe, common in the United States and in some parts of Canada, is Cucumis melo reticulatus (Wikipedia).

**Parent Product**

165 - Food - Plant Source, Cantalope (Muskmelon) Cucumis melo

**Published Data**

PMID 14533664: One paper used three different extracts on over 60 people. They showed a wide range of positive results: 12%, 19% or 90% of melon allergic patients responded positively to prick tests. Cucumisin (Cuc m 1) was identified as the major allergen in melon in one of the papers.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
217_ Ann Allergy Asthma Immunol 91 - 303.pdf	14533664	Figueredo, E.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 166 - Food - Plant Source, Caraway Seed Carum carvi**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: caraway seed extract

ISI: caraway and allergy

Google: caraway allergy

**Nomenclature**

According to ITIS, the scientific name, Carum carvi, is correct and current. Common names are listed as caraway and wild caraway. Carum velenovskyi is listed as a synonym. The Carum genus is found in the Apiaceae family.

**Parent Product**

166 - Food - Plant Source, Caraway Seed Carum carvi

**Published Data**

PMID 12027075: In one paper with a single person with allergy to anise and cinnamon also had a strong skin test response to caraway.

PMID 7552932: Another paper described a study of skin-prick testing several individuals with various herb extracts. 15 patients were skin prick tested with caraway extract, 10 of which were positive to a 10% extract.

PMID 10380793: A man had an allergic reaction to dill. He had a positive skin prick test to dill and caraway extracts (among others).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
253_ Ann Allergy Asthma and Immunol 75 - 280.pdf	7552932	Niinimäki, A	1995
198_ Ann Allergy Asthma Immunol 88 - 518.pdf	12027075	García-González, J.J.	2002
198_ Allergy 54 - 531.pdf	10380793	Freeman, G.L.	1999

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 167 - Food - Plant Source, Carob Ceratonia siliqua**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: carob allergy

ISI carob allergy

Google: carob allergy

**Nomenclature**

According to ITIS, the scientific name, Ceratonia siliqua, is correct and current. The common name is listed as St. John's bread. The Ceratonia genus is found in the Fabaceae family.

**Parent Product**

167 - Food - Plant Source, Carob Ceratonia siliqua

**Published Data**

No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
167_J Allergy Clin Immunol 90 - 1008.pdf	1460192	van der Brempt, X.	1992

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 168 - Food - Plant Source, Carrot *Daucus carota***

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: carrot allergy  
Google: carrot allergy; carrot allergy adverse; carrot allergen; carrot allergen adverse; same search results performed for *Daucus carota*

**Nomenclature**

According to ITIS, the scientific name, *Daucus carota*, is correct and current. Common names are listed as bird's nest, Queen Anne's lace, and wild carrot. Two subspecies are listed: *D. carota* ssp. *carota* and *sativus*. The *Daucus* genus is found in the Apiaceae family.

**Parent Product**

168 - Food - Plant Source, Carrot *Daucus carota*

**Published Data**

Several papers were found on carrot allergy. Two were particularly useful. In one paper (PMID 15461613) a woman had an anaphylactic reaction to carrot juice. She was then skin prick tested with four different carrot extracts: boiled dialysed, boiled nondialyzed, raw dialyzed and raw nondialyzed carrot extracts. Positive skin prick tests were only obtained from raw nondialyzed extracts. Conjunctival challenges were performed with the same extracts, and again positive responses were only obtained from raw nondialyzed extracts. PMID 11496252: In a second paper 26 patients with carrot allergy were studied. DBPCFC was performed on all 26. Twenty had a positive reaction. Nineteen of those with a positive reaction were then skin prick tested with carrot extract. Five gave a positive response. (all were positive by prick test with raw native carrot)

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
168_ Allergy 59 - 1239.pdf	15461613	Fernández-Rivas, M.	2004
168_ J Allergy Clin Immunol 108 - 301.pdf	11496252	Ballmer-Weber, B.K.	2001

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 169 - Food - Plant Source, Cashew Nut Anacardium occidentale**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: cashew allergy

Google: cashew allergy; cashew allergy adverse; cashew allergen; cashew allergen adverse; same search results performed for Anacardium occidentale

**Nomenclature**

According to ITIS, the scientific name, Anacardium occidentale, is correct and current. The common name is listed as cashew. The Anacardium genus is found in the Anacardiaceae family.

**Parent Product**

169 - Food - Plant Source, Cashew Nut Anacardium occidentale

**Published Data**

In PMID 3950255 a panel of people with idiopathic anaphylaxis were skin prick tested with a variety of food extracts. Two people had a positive skin prick test with cashew extract, one of which had a positive clinical correlation (meaning either anaphylaxis after challenge, or no anaphylaxis after removal of cashew from their diet).

In PMID 16095141 a cross-reactivity paper showed moderate to strong cross-reactivity between cashew nut, Brazil nut, pistachio and almond by IgE ELISA inhibition assay. Almond and Brazil nut were both approved based on clinical data.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
273_ Ann Allergy Asthma Immunol 95 -45.pdf	16095141	Goetz, D.W.	2005
218_ J Allergy Clin Immunol 77-516.pdf	3950255	Stricker, W.E.	1986

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 170 - Food - Plant Source, Cauliflower Brassica oleracea (or oleracea var. botrytis)**

**Recommended Scientific Name** Brassica oleracea var. botrytis

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: cauliflower and allergy and skin; cauliflower and allergen and skin

Google: cauliflower allergy; cauliflower allergy adverse; cauliflower allergen; cauliflower allergen adverse; same search results performed for Brassica oleracea

**Nomenclature**

According to ITIS, the scientific name, Brassica oleracea var. botrytis, is correct and current. The common name is listed as broccoli. The common name of 'cauliflower' was not listed in ITIS or PLANTS database. According to Wikipedia, the correct name should be Brassica oleracea var. botrytis. The Brassica genus is found in the Brassicaceae family.

**Parent Product**

170 - Food - Plant Source, Cauliflower Brassica oleracea (or oleracea var. botrytis)

**Published Data**

In PMID 16751008, seventeen cabbage-hypersensitive patients with positive SPT with fresh cabbage (Brassica oleracea var. capitata) were studied. Five patients had anaphylactic reactions when eating cabbage. Another nine patients underwent DBPCFC with five of them having positive challenge results. Ten patients were also allergic to cauliflower, with all of them showing positive SPT and specific IgE to this food.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
162_J Allergy Clin Immunol 117-1423.pdf	16751008	Palacín, A.	2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 171 - Food - Plant Source, Cayenne Pepper Capsicum annum**

**Recommended Scientific Name** Capsicum annum

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: pepper allergy English; red pepper allergy; Capsicum annum allergy; cayenne allergy cayenne allergy

Google: cayenne pepper allergy; cayenne pepper allergy adverse; cayenne pepper allergen; cayenne pepper allergen adverse; same search results performed for Capsicum annum

**Nomenclature**

According to ITIS, the correct spelling of Capsicum annum is Capsicum annum. The common name is cayenne pepper. Two varieties are listed: C. annum var. annum and glabrusculum. The Capsicum genus is found in the Solanaceae family.

**Parent Product**

171 - Food - Plant Source, Cayenne Pepper Capsicum annum

**Related Products**

268 - Food - Plant Source, Pepper, Red or Cayenne Capsicum annum

**Published Data**

One paper (PMID: 7552932) describes a study that set out to compare reactivity of prick tests with native spices to skin prick tests with spice extracts. 5 of 10 people that responded strongly to native cayenne also responded to cayenne extract. In another paper (PMID: 2719178) IgE mediated spice allergy was investigated using skin prick tests with spice extracts. 20 of 41 people tested with cayenne extract had a positive response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
253_ Ann Allergy Asthma and Immunol 75 - 280.pdf	7552932	Niinimäki, A	1995
263_ Allergy 44-60.pdf	2719178	Niinimaki, A.	1989

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 172 - Food - Plant Source, Celery Apium graveolens (or graveolens var. dulce)**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: celery allergy; Apium graveolens allergy  
Google: celery allergy; celery allergy adverse; celery allergen; celery allergen adverse; same search results performed for Apium graveolens

**Nomenclature**

According to ITIS, the scientific names Apium graveolens and Apium graveolens var. dulce are both correct and current for wild celery. Additional synonyms of Apium graveolens var. dulce are Apium dulce and Celeri graveolens. The Apium genus is found in the Apiaceae family.

**Parent Product**

172 - Food - Plant Source, Celery Apium graveolens (or graveolens var. dulce)

**Published Data**

There is one paper (PMID: 8328718) that shows extensive cross-reactivity between celery, carrot, cucumber, and watermelon, but not nearly as much with mountain cedar.

In PMID: 10795656 a woman with OAS to cucumber and fennel was treated with pollen extract for immunotherapy. Her SPT to celery extract decreased in the 'after' immunotherapy compared to her 'before'.

PMID: 15180768: Patient without an atopy history, developed rhinoconjunctivitis symptoms, dyspnea and general malaise, after inhaling steam of cooking green beans, potato and carrot. Patient was skin tested (prick-prick) with fresh and extracts from green beans, parsley, celery, raw carrots, and cooked carrots. Positive prick to celery and carrots. IgE was tested by CAP system, carrot and celery 15.1 kU.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
194_ Annals of Allergy 71-70.pdf	8328718	Jordan-Wagner, D.L.	1993
194_ Ann Allergy Asthma Immunol 84 - 460.pdf	10795656	Asero, R.	2000
172_ Allergy 59 -786.pdf	15180768	Agustin-Ubide, M.P.	2004

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 173 - Food - Plant Source, Cherry Bing**

**Recommended Common Name** Cherry, Sweet

**Recommended Scientific Name** Prunus avium

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: bing cherry allergy

Google: bing cherry allergy; bing cherry allergy adverse; bing cherry allergen; bing cherry allergen adverse

**Nomenclature**

Bing Cherry is not found in ITIS or in PLANTS database. According to Wikipedia, the Bing cherry is a cultivar of Prunus avium. <http://en.wikipedia.org/wiki/Cherry>. According to ITIS, the scientific name, Prunus avium, has the common name of sweet cherry. A synonym is Cerasus avium. The Prunus genus is found in the Rosaceae family.

**Parent Product**

174 - Food - Plant Source, Cherry Prunus avium

**Related Products**

173 - Food - Plant Source, Cherry Bing

**Published Data**

PMID 7930303 supports skin test reactivity of cherry extract in fruit allergic subjects.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
129_ J Allergy Clin immunol 94-699.pdf	7930303	Pastorello, E.A.	1994

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 174 - Food - Plant Source, Cherry Prunus avium**

**Recommended Common Name** Cherry, Sweet

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: cherry allergy; Prunus avium allergy

ISI: cherry allergy

Google: cherry allergy; cherry allergy adverse; cherry allergen; cherry allergen adverse; same search results performed for Prunus avium

**Nomenclature**

According to ITIS, the scientific name, Prunus avium, is correct and current. The common name is sweet cherry. A synonym is Cerasus avium. The Prunus genus is found in the Rosaceae family.

**Parent Product**

174 - Food - Plant Source, Cherry Prunus avium

**Related Products**

173 - Food - Plant Source, Cherry Bing

**Published Data**

PMID 7930303 supports skin test reactivity of cherry extract in fruit allergic subjects.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
129_J Allergy Clin Immunol 94-699.pdf	7930303	Pastorello, E.A.	1994

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 175 - Food - Plant Source, Cherry Prunus sp.**

**Recommended Scientific Name** Prunus, (species to be specified)

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: cherry allergy; Prunus allergy

ISI: cherry allergy

Google: cherry allergy; cherry allergy adverse; cherry allergen; cherry allergen adverse; same search results performed for Prunus

**Nomenclature**

According to ITIS, there are more than 50 species and one subspecies within the Prunus genus. The Prunus genus is found in the Rosaceae family.

**Parent Product**

175 - Food - Plant Source, Cherry Prunus sp.

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 176 - Food - Plant Source, Chestnut Castanea dentata**

**Recommended Common Name** Chestnut, American

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: chestnut allergy

ISI: chestnut allergy

Google: Chestnut allergy; Chestnut allergy adverse; Chestnut allergen; Chestnut allergen adverse; same search results performed for Castanea dentata

**Nomenclature**

According to ITIS, the scientific name Castanea dentata, is correct and current. Common name is listed as American chestnut. Synonym is listed as Castanea americana. The Castanea genus is found in the Fagaceae family.

**Parent Product**

176 - Food - Plant Source, Chestnut Castanea dentata

**Published Data**

No published data were found for Castanea dentata allergy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
135_ J Allergy Clin Immunol 103-507.pdf	10069887	Blanco, C.	1999
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
176_ Ann Allergy Asthma Immunol 76 - 37.pdf	8564626	Antico, A.	1996
176_ J Allergy Clin Immunol 118 - 705.pdf	16950291	Sánchez-Monge, R.	2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 177 - Food - Plant Source, Chick Pea Cicer arietinum**

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: chickpea allergy; Cicer arietinum allergy

Google: chickpea allergy; chickpea allergy adverse; chickpea allergen; chickpea allergen adverse; same search results performed for Cicer arietinum

**Nomenclature**

According to ITIS, the scientific name, Cicer arietinum, is correct and current. The common name is listed as chick pea. The Cicer genus is found in the Fabaceae family.

**Parent Product**

177 - Food - Plant Source, Chick Pea Cicer arietinum

**Published Data**

PMID 11527247: 1400 people were screened for chickpea allergy. 59 had a history of chickpea allergy, 41 were skin prick positive, and 31 had a reaction when challenged (DBPCFC).

PMID 9062643: Reported on positive skin scratch test with chickpea.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
177_ Ann Allergy AsthmaImmunol 87 - 140.pdf	11527247	Patil, S.P.	2001
177_ Allergie et Immunologie 36 -366.pdf	--	Ferreira, M.B.	2004
177_ Allergy 52 - 114.pdf	9062643	Niphadkar, P.V.	1997

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 178 - Food - Plant Source, Chili Pepper**

Recommended Scientific Name Capsicum, (species to be specified)

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: chilli pepper allergy

Google: chilli allergy; chilli allergy adverse; chilli allergen; chilli allergen adverse

Nomenclature

ITIS does not list the common name of chili pepper. Chilli peppers could be within the genus Capsicum, with the common name of pepper. The Capsicum genus contains 3 species: C. annuum, C. chinense, or C. pubescens, C. baccatum; and two varieties: C. baccatum var. baccatum, C. baccatum var. pendulum. The Capsicum genus is found in the Solanaceae family.

Parent Product

178 - Food - Plant Source, Chili Pepper

Published Data

The specific product is uncertain because genus and species has not been identified.

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 179 - Food - Plant Source, Chives Allium schoenoprasum**

**Recommended Common Name** Chive, Wild

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: chive(s) allergy

ISI: chives allergy

Google: chive allergy; chive allergy adverse; chive allergen; chive allergen adverse; same search results performed for Allium schoenoprasum

**Nomenclature**

According to ITIS, the scientific name, Allium schoenoprasum, is correct and current. The common name is listed as wild chive. Two varieties are listed: A. schoenoprasum var. schoenoprasum and A. schoenoprasum var. sibiricum. The Allium genus is found in the Liliaceae family.

**Parent Product**

179 - Food - Plant Source, Chives Allium schoenoprasum

**Published Data**

No papers were found about allergy to chives. Also, not a lot of information was found on leeks, which are more common and related to chives.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 180 - Food - Plant Source, Cinnamon Cinnamomum verum**

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: cinnamomum verum, cinnamomum zeylanicum, cinnamon allergy, cinnamon immunotherapy, cinnamon cross-reactivity

Google: cinnamomum verum, cinnamomum zeylanicum, cinnamon allergy, cinnamon immunotherapy, cinnamon cross-reactivity, cinnamomum verum, cinnamomum zeylanicum

**Nomenclature**

According to ITIS, the scientific name, Cinnamomum verum, is correct and current. The common name is cinnamon. Cinnamomum zeylanicum is listed as a synonym. The Cinnamomum genus is found in the Lauraceae family. True cinnamon, C. verum or zeylanicum, has been replaced almost entirely by the related Cinnamomum cassia.

**Parent Product**

180 - Food - Plant Source, Cinnamon Cinnamomum verum

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 181 - Food - Plant Source, Cinnamon Cinnamomum zeylanicum**

**Recommended Scientific Name** Cinnamomum verum

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Cinnamon zeylanicum, C. verum, Cinnamon allergy, cinnamon allergy + immunotherapy, cinnamon cross-reactivity

Google: Same

AllAllergy.net: Cinnamon

**Nomenclature**

According to ITIS, the current name of Cinnamomum zeylanicum is Cinnamomum verum. The common name is cinnamon. The Cinnamomum genus is found in the Lauraceae family. True cinnamon, C. verum or zeylanicum, has been replaced almost entirely by the related Cinnamomum cassia.

**Parent Product**

181 - Food - Plant Source, Cinnamon Cinnamomum zeylanicum

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 182 - Food - Plant Source, Cloves *Eugenia caryophyllata***

**Recommended Scientific Name** Syzygium aromaticum

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: *Eugenia caryophyllata*, *Syzygium aromaticum*, *E. caryophyllata* allergy, *S. aromaticum* allergy, clove allergy, clove allergy + diagnosis, eugenol allergy.

Google: clove allergy

**Nomenclature**

According to ITIS, the current name of *Eugenia caryophyllata* is *Syzygium aromaticum*. Common name is listed as clove. Synonyms are listed as *Caryophyllus aromaticus*, *Eugenia caryophyllata*, *Eugenia caryophyllus*. The *Syzygium* genus is found in the Myrtaceae family.

**Parent Product**

183 - Food - Plant Source, Cloves *Syzygium aromaticum*

**Related Products**

182 - Food - Plant Source, Cloves *Eugenia caryophyllata*

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 183 - Food - Plant Source, Cloves Syzygium aromaticum**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: Eugenia caryophyllata, Syzygium aromaticum, E.Caryophyllata allergy, S. aromaticum allergy, clove allergy, clove allergy + diagnosis, eugenol allergy.

Google: Clove allergy

**Nomenclature**

According to ITIS, the scientific name, Syzygium aromaticum, is correct and current. Common name is listed as clove. Synonyms are listed as Caryophyllus aromaticus, Eugenia caryophyllata, Eugenia caryophyllus. The Syzygium genus is found in the Myrtaceae family.

**Parent Product**

183 - Food - Plant Source, Cloves Syzygium aromaticum

**Related Products**

182 - Food - Plant Source, Cloves Eugenia caryophyllata

**Published Data**

No supportive data were identified.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
182_ Contact Dermatitis (Spices) 22 267-72.pdf	2383985	van den Akker, T.W.	1990
182_ Contact Dermatitis 29-202.pdf	8281784	Meding, B.	1993
182_ Contact Dermatitis 41-346.pdf	10617221	Sánchez-Pérez J	1999
182_ Allerg Immunol(Paris) 34-135.pdf	12078423	Moneret-Vautrin, D.A.	2002

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 184 - Food - Plant Source, Cocoa Bean Theobroma cacao**

**Manufacturers of this Product**

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: Theobroma cacao, T. cacao allergy, Cocoa allergy, chocolate allergy, cocoa skin prick test, cocoa immunotherapy, chocolate allergy diagnosis.

Google: chocolate allergy

Journal of Allergy and Clinical Immunology: Chocolate allergy

**Nomenclature**

According to ITIS, the scientific name, Theobroma cacao, is correct and current. The common name is cacao. There are two subspecies listed: T. cacao ssp. cacao and sphaerocarpum. The Theobroma genus is found in the Sterculiaceae family. Theobroma cacao is the only species for cacao bean (PLANTS database and wikipedia).

**Parent Product**

164 - Food - Plant Source, Cacao bean Theobroma cacao

**Related Products**

184 - Food - Plant Source, Cocoa Bean Theobroma cacao

**Published Data**

PMID 9265998: Extracts of cacao bean were roasted, the sheath was removed and the internal portion was ground to powder. Both preparations induced a wheal response from the allergic patient, but not from 10 non-allergic controls. The patient was challenged bronchially with powder extract and experiences an immediate 12 % decrease in his FEV1.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
164_ Ann Allergy 24-484.pdf	5918258	Fries, J.H	1966
164_ Allergy 52-778.pdf	9265998	Perfetti, L.	1997

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 185 - Food - Plant Source, Coconut Cocos nucifera**

**Recommended Common Name** Palm, Coconut

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Cocos nucifera, coconut, coconut allergy, coconut allergy + allergen + diagnosis + cross-reactivity

Google: coconut allergy

**Nomenclature**

According to ITIS, the common name, Cocos nucifera, is correct and current. The common name is coconut palm. The Cocos genus is found in the Arecaceae family.

**Parent Product**

185 - Food - Plant Source, Coconut Cocos nucifera

**Published Data**

PMID 14989401 reports on a study to evaluate the cross-reactive antibodies between coconut and other tree nuts. Patient has positive skin prick test to fresh coconut, commercial extracts of coconut, canned coconut milk, almond, Brazil nut, cashew, pecan, walnut, and hazelnut. In vitro serum specific IgE was present for coconut, hazelnut, Brazil nut, and cashew. Inhibition assays using coconut demonstrated complete inhibition of hazelnut specific IgE, but inhibition assays using hazelnut showed only partial inhibition of coconut specific IgE. There is some cross-reactivity between hazelnut and coconut.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
202_ Ann Allergy Asthma Immunol 92 - 281.pdf	14989401	Nguyen, S.A.	2004

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category II	Category II

**Product: 186 - Food - Plant Source, Coffee Coffea arabica**

**Recommended Common Name** Coffee, Arabian

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Coffea arabica, coffea arabica allergy + allergen + diagnosis + cross-reactivity; coffee allergy

Google: coffee allergy

**Nomenclature**

According to ITIS, the scientific name, Coffea arabica, is correct and current. The common name is Arabian coffee. The Coffea genus is found in the Rubiaceae family. Arabian coffe accounts for most of the world's coffee.

**Parent Product**

186 - Food - Plant Source, Coffee Coffea arabica

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIB	Category I
<b><u>Therapy:</u></b>	Category IIIB	Category II

**Product: 187 - Food - Plant Source, Cola Nut Cola acuminata**

**Recommended Common Name** Cola, Abata

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: Cola, Cola nut, Cola allergy, Cola allergy diagnosis, Cola nut cross-reactivity, Kola, Kola nut, Kola nut allergy

Google: cola nut allergy; cola nut allergy adverse; cola nut allergen; cola nut allergen adverse; same search results performed for cola acuminata and kola nut

**Nomenclature**

According to ITIS, the scientific name, Cola acuminata, is correct and current. The common name is abata cola. The Cola genus is found in the Sterculiaceae family. According to dictionary.com, cola nut is also spelled kola nut.

**Parent Product**

187 - Food - Plant Source, Cola Nut Cola acuminata

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 188 - Food - Plant Source, Corn Grain**

Recommended Scientific Name      Zea mays

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: corn grain, allergy, diagnosis, immunotherapy

Google: corn grain, allergy, diagnosis, immunotherapy

Nomenclature

No results for 'corn grain' was found in ITIS or USDA PLANTS Database. According to ITIS, the scientific name of corn is Zea mays. The Zea genus is found in the Poaceae family.

Parent Product

188 - Food - Plant Source, Corn Grain

Published Data

No supportive data were identified.

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
	<u>Diagnosis:</u>	none
	<u>Therapy:</u>	none

**Product: 189 - Food - Plant Source, Corn Meal**

Recommended Scientific Name (genus and species to be specified)

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: "cornmeal + allergy" Corn Meal and Cornmeal.

Google: cornmeal, allergy, diagnosis, immunotherapy

Nomenclature

No results for 'corn meal' was found in ITIS or USDA PLANTS Database. According to ITIS, the scientific name of corn is Zea mays. The Zea genus is found in the Poaceae family.

Parent Product

189 - Food - Plant Source, Corn Meal

Published Data

No supportive data were identified.

Panels:	<table><tr><th></th><th><u>Original Panel Recommendation</u></th><th><u>Reclassification Panel Recommendation</u></th></tr><tr><td><u>Diagnosis:</u></td><td>none</td><td>none</td></tr><tr><td><u>Therapy:</u></td><td>none</td><td>none</td></tr></table>			<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>	<u>Diagnosis:</u>	none	none	<u>Therapy:</u>	none	none
	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>									
<u>Diagnosis:</u>	none	none									
<u>Therapy:</u>	none	none									

**Product: 190 - Food - Plant Source, Corn Zea mays**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Zea mays, + allergy, allergen, diagnosis, cross-reactivity, immunotherapy. Corn allergy, + allergen, diagnosis, cross-reactivity, immunotherapy.

Google: Zea mays allergy, corn allergy.

**Nomenclature**

According to ITIS, the scientific name, Zea mays, is correct and current. The common name is corn. One variety, Z. mays var. huehuetenangensis, and two subspecies, Z. mays ssp. mays and Z. mays ssp. parviglumis are listed. The Zea genus is found in the Poaceae family.

**Parent Product**

190 - Food - Plant Source, Corn Zea mays

**Published Data**

PMID 7560636: One hundred forty-five patients with positive SPT responses to one or more cereal grains (wheat, rye, barley, oat, rice, corn) were included in the cereal grain hypersensitivity study. 24 out of 98 patients were SPT positive to corn extracts. 45 out of 145 patients were grain challenged with corn, of these 17 were SPT positive for corn and 5 had positive challenge results.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
189_ Allergy-61-128-35.pdf	16364168	Weichel, M.	2006
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 191 - Food - Plant Source, Corn, Sweet Zea rugosa**

**Recommended Scientific Name** Zea, (species to be specified)

**Manufacturers of this Product**

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: sweet corn allergy; sweet corn allergen, Zea rugosa allergy; Zea rugosa allergen

Google: sweet corn allergy; sweet corn allergy adverse; sweet corn allergen; sweet corn allergen adverse; same search results performed for Zea rugosa

**Nomenclature**

ITIS does not list sweet corn or Zea rugosa. There are five species listed within the Zea genus: Z. diploperennis, Z. luxurians, Z. mays, Z. mexicana, and Z. perennis.

**Parent Product**

191 - Food - Plant Source, Corn, Sweet Zea rugosa

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 192 - Food - Plant Source, Cotton Seed Gossypium sp**

**Recommended Scientific Name** Gossypium, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: cotton seed allergy, Gossypium allergy

Google: cotton seed allergy

Journal of Allergy and Clinical Immunology: cotton seed

**Nomenclature**

According to ITIS, there are ten species within the genus: Gossypium. The common name of Gossypium is cotton. The Gossypium genus is found in the Malvaceae family

**Parent Product**

192 - Food - Plant Source, Cotton Seed Gossypium sp

**Published Data**

PMID 2778246: A case report on a person who suffered an allergic reaction after eating a piece of candy containing cottonseed. Patient had a reproducible positive prick test to cottonseed extract. Using direct RAST, cottonseed extract inhibited the direct RAST by 97% with a RAST ration of 7.4. The genus was not identified.

PMID 3403864: Systemic allergic reactions in seven individuals were reported after ingestion of a newly marketed food supplement which contained cotton seed flour. Seven out of 7 had positive SPT to cottonseed extracts (Gossypium spp). Double-blind, placebo-controlled food challenges performed in two subjects with cotton seed flour produced reactions consisting of oropharyngeal pruritis, rhinitis, diaphoresis, dyspnea, cough, and a fall in PFTs of 45% or more. Skin-specific IgE with food supplement extracts showed marked sensitization of all seven subjects to cotton seed protein.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
192_ J Allergy Clin Immunol-84-407.pdf	2778246	O'Neill, C.E.	1989
192_ J Allergy Clin Immunol-82-242-50.pdf	3403864	Atkins, F.M	1988

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 193 - Food - Plant Source, Cranberry Vaccinium macrocarpon**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

Pubmed: Cranberry, allergy, allergen, spt, diagnosis, and cross-reactivity. Vaccinium allergy.

Google: Cranberry, allergy.

**Nomenclature**

According to ITIS, the scientific name, Vaccinium macrocarpon, is correct and current. The common name is cranberry.

Synonym is Oxycoccus macrocarpus. The Vaccinium genus is found in the Ericaceae family.

**Parent Product**

193 - Food - Plant Source, Cranberry Vaccinium macrocarpon

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 194 - Food - Plant Source, Cucumber Cucumis sativus**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

Pubmed search: Cucumis sativus allergy; cucumber allergy English

ISI search cucumber and allergy; cucumis sativus allergy

Google search: cucumber allergy; cucumber allergy extract

**Nomenclature**

According to ITIS, the scientific name, Cucumis sativus, is correct and current. The common name is garden cucumber. The Cucumis genus is found in the Cucurbitaceae family.

**Parent Product**

194 - Food - Plant Source, Cucumber Cucumis sativus

**Published Data**

PMID 8328718: This paper supports extensive cross-reactivity between celery, carrot, cucumber, and watermelon, but not as much with mountain cedar.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
194_ Annals of Allergy 71-70.pdf	8328718	Jordan-Wagner, D.L.	1993

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 195 - Food - Plant Source, Cumin, Cuminum cyminum**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: cumin allergy English; Cuminum cyminum; Cuminum cyminum allergy

Google: "cumin adverse events"

**Nomenclature**

According to ITIS, the scientific name, Cuminum cyminum, is correct and current. The common name is cumin. Synonym is Cuminum odorum. The Cuminum genus is found in the Apiaceae family.

**Parent Product**

195 - Food - Plant Source, Cumin, Cuminum cyminum

**Published Data**

PMIDs 8299390 and 12027075 used cumin extract for prick tests in allergic patients with positive results.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
195_ contact dermatitis 46-72.pdf	11918598	Anliker, M.D.	2002
195_ cutis 52 - 288.pdf	8299390	Futrell, J.M.	1993
198_ Ann Allergy Asthma Immunol 88 - 518.pdf	12027075	García-González, J.J.	2002

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 196 - Food - Plant Source, Currant Ribes sativum**

**Recommended Common Name** Currant, Cultivated

**Recommended Scientific Name** Ribes rubrum

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: currant allergy English; Ribes sativum; Ribes sativum allergy

ISI: currant and allergy; allergy and Ribes and sativum

Google: Ribes sativum - yielded several sites that indicated that this is the same as Ribes rubrum, Ribes sylvestre, and Ribes vulgare

**Nomenclature**

According to ITIS, the current name for Ribes sativum is Ribes rubrum. The common name is cultivated currant. Synonyms are Ribes sativum, Ribes sylvestre, and Ribes vulgare. The Ribes genus is found in the Grossulariaceae family.

**Parent Product**

196 - Food - Plant Source, Currant Ribes sativum

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 197 - Food - Plant Source, Date Phoenix dactylifera**

**Recommended Common Name** Palm, Date

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Date allergy English; Phoenix dactylifera allergy

Google: date allergy

**Nomenclature**

According to ITIS, the scientific name, Phoenix dactylifera, is correct and current. The common name is date palm. The Phoenix genus is found in the Arecaceae family.

**Parent Product**

197 - Food - Plant Source, Date Phoenix dactylifera

**Published Data**

PMIDs 10688430 and 11060485 support skin test reactivity in allergic patients.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
197_ allergy 54 -1270.pdf	10688430	Kwaasi, A.A.	1999
197_ Int Arch Allergy Immunol 123 -137.pdf	11060485	Kwaasi, A.A.	2000

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 198 - Food - Plant Source, Dill Seed Anethum graveolens**

**Recommended Common Name** Dill

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

Pubmed: Dill allergy; Dill seed allergy

ISI search: Dill allergy; Dill seed allergy

Google search: Dill allergy

**Nomenclature**

According to ITIS, the scientific name, Anethum graveolens, is correct and current. The common name is dill. The Anethum genus is found in the Apiaceae family.

**Parent Product**

198 - Food - Plant Source, Dill Seed Anethum graveolens

**Published Data**

PMIDs 10831013, 12027075, and 10380793 used dill extract for skin prick tests to determine the source of an allergic reaction. The patients in these papers all responded positively to dill extract, the negative control individuals did not.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
198_ Ann Allergy Asthma Immunol 84 - 559.pdf	10831013	Chiu, A.M.	2000
198_ Ann Allergy Asthma Immunol 88 - 518.pdf	12027075	García-González, J.J.	2002
198_ Allergy 54 - 531.pdf	10380793	Freeman, G.L.	1999

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 199 - Food - Plant Source, Eggplant Solanum melongena**

**Recommended Scientific Name** Solanum melongena

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Eggplant allergy English; Solanum melongena English

ISI search: eggplant and allergy

Google: eggplant allergy, eggplant allergy adverse; eggplant allergen; eggplant allergen adverse; same search performed for Solanum melongena

**Nomenclature**

According to ITIS, the correct spelling of Solanum melogena is Solanum melongena. The common name is eggplant. The Solanum genus is found in the Solanaceae family.

**Parent Product**

199 - Food - Plant Source, Eggplant Solanum melongena

**Published Data**

Two case reports (PMIDs 14713925 and 15148961) Solanum melongena were identified in which a total of four people reported allergic symptoms to eggplant. All four had positive skin prick tests to eggplant extract, and each of these was validated by both IgE ELISA and Western blot analysis. No negative reactions were reported.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
199_J Allergy Clin Immunol 113 - 171.pdf	14713925	Pramod, S.N.	2004
199_J Allergy Clin Immunol 113 - 995.pdf	15148961	Lee, J.	2004

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 200 - Food - Plant Source, Endive Cichorium endivia**

**Recommended Common Name** Endive, Cultivated

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: Endive allergy limit English; Cichorium endivia limit English

ISI Web of science: endive and allergy; Cichorium and endivia and allergy

Google: endive allergy; endive allergy adverse; endive allergen; endive allergen adverse; same search results performed for Cichorium endivia

**Nomenclature**

According to ITIS, the scientific name, Cichorium endivia, is correct and current. Common name is cultivated endive. The Cichorium genus is found in the Asteraceae family.

**Parent Product**

200 - Food - Plant Source, Endive Cichorium endivia

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 201 - Food - Plant Source, Fig Ficus carica**

**Recommended Common Name** Fig, Common

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: fig allergy limit English; Ficus carica allergy

ISI search: ficus carica allergy

Google: "ficus adverse events"

**Nomenclature**

According to ITIS, the scientific name, Ficus carica, is correct and current. Common names are common fig, edible fig, fiku, and piku. The Ficus genus is found in the Moraceae family.

**Parent Product**

201 - Food - Plant Source, Fig Ficus carica

**Published Data**

Two publications (PMIDs 7573846 and 12811022) used fig extracts for skin prick tests in fig allergic patients. Both individuals had a positive response to fig extract. Also, fig-specific IgE was found in both people.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
201_ Allergy 50 - 514.pdf	7573846	DeChamp, C.	1995
201_ Int Arch Allergy Immunol 131-138.pdf	12811022	Antico, A.	2003

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 202 - Food - Plant Source, Filbert *Corylus americana***

**Recommended Common Name**      Hazelnut

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: Filbert allergy English; Hazelnut allergy English; Corylus allergy English; Corylus americana allergy English

Google: filbert averse event

**Nomenclature**

According to ITIS, the scientific name, *Corylus americana*, is correct and current. Common names are American hazelnut, hazel, and hazelnut. Synonym is *Corylus Americana* var. *indehiscens*. The *Corylus* genus is found in the Betulaceae family.

**Parent Product**

202 - Food - Plant Source, Filbert *Corylus americana*

**Related Products**

215 - Food - Plant Source, Hazlenut (Filbert) *Corylus* spp

**Published Data**

A recent literature search revealed several papers on hazelnut allergy. Crossreactivity studies have been performed against both coconut (PMID 14989401) and peanut (12956750). In another paper (PMID 12622744) looking at seventeen hazelnut allergic individuals, hazelnut extracts performed well on skin prick test, and could also be used for in vitro tests such as IgE ELISA and histamine release.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
202_ Allergy 58 - 132.pdf	12622744	Hansen, K.S.	2003
202_ Ann Allergy Asthma Immunol 92 - 281.pdf	14989401	Nguyen, S.A.	2004
202_ Clin Exp Allergy 33 - 1273.pdf	12956750	de Leon, M.P.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 203 - Food - Plant Source, Garlic Allium sativum**

**Recommended Common Name** Garlic, Cultivated

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Garlic allergy English; Allium sativum allergy limit English

Google: "garlic adverse event"

**Nomenclature**

According to ITIS, the scientific name, Allium sativum, is correct and current. The common name is cultivated garlic. The scientific name is correct and current. The common name needs to be updated. The Allium genus is found in the Liliaceae family.

**Parent Product**

203 - Food - Plant Source, Garlic Allium sativum

**Published Data**

Two papers (PMIDs 10795656, 9525465) documented skin-prick tests with garlic extract. One paper repeated the test with a different garlic extract and that was positive also. Western blot analysis with the patient's sera confirmed the presence of garlic-specific IgE.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
203_ J Allergy Clin Immunol 101 - 427.pdf	9525465	Asero, R.	1998
194_ Ann Allergy Asthma Immunol 84 - 460.pdf	10795656	Asero, R.	2000

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 204 - Food - Plant Source, Ginger Zingiber officinale**

**Recommended Common Name**      Ginger, Garden

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Ginger allergy; Zingiber officinale allergy

ISI search: Ginger and allergy limit; Zingiber officinale allergy

Google: Ginger allergy

**Nomenclature**

According to ITIS, the scientific name, Zingiber officinale, is correct and current. The common name is garden ginger. Synonyms are Amomum zingiber and Zingiber zingiber. Zingiber genus is found in the Zingiberaceae family.

**Parent Product**

204 - Food - Plant Source, Ginger Zingiber officinale

**Published Data**

Three of papers were found describing IgE mediated disease to ginger. One of the three (PMID 3168968) used intradermal testing of ginger extracts, the others used scratch (PMID 1957997) or prick testing (PMID 1957997) of powdered spices. Both methods yielded a positive response in allergic individuals but not in controls. In each of the papers ginger-specific IgE was detected in allergic individuals using ginger extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
195_ Allergy 46 -475.pdf	1957997	Stager, J.	1991
204_ Contact Dermatitis 35 - 157.pdf	8930476	Kanerva, L.	1996
253_ Environ Res 47 - 95.pdf	3168968	Zuskin, E.	1988

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 205 - Food - Plant Source, Gooseberry Ribes grossularia**

**Recommended Common Name** Gooseberry, European

**Recommended Scientific Name** Ribes uva-crispa var. sativum

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: Gooseberry allergy English; Ribes grossularia English

ISI search Gooseberry and allergy; Ribes and grossularia and allergy

Google: gooseberry allergy; gooseberry allergy adverse; gooseberry allergen; gooseberry allergen adverse; same search results performed for Ribes grossularia

**Nomenclature**

According to ITIS, the current name of Ribes grossularia is Ribes uva-crispa var. sativum. The common name is European gooseberry. Synonyms are Grossularia reclinata, Ribes grossularia, Ribes uva-crispa ssp. reclinatum. The Ribes genus is found in the Grossulariaceae family.

**Parent Product**

205 - Food - Plant Source, Gooseberry Ribes grossularia

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 206 - Food - Plant Source, Gooseberry Ribes hirtelium**

**Recommended Common Name** Gooseberry, Hairystem

**Recommended Scientific Name** Ribes hirtellum

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: Gooseberry allergy English; Ribes hirtellum

ISI search: gooseberry and allergy; Ribes and allergy

Google: gooseberry allergy; gooseberry allergy adverse; gooseberry allergen; gooseberry allergen adverse; same search results performed for Ribes hirtelium and Ribes hirtellum

**Nomenclature**

According to ITIS, the correct spelling of Ribes hirtelium is Ribes hirtellum. The common names are hairy-stem gooseberry and hairystem gooseberry. Synonyms are Grossularia hirtella, Ribes hirtellum var. calcicola, Ribes hirtellum var. saxosum, Ribes oxyacanthoides var. calcicola, Ribes oxyacanthoides var. hirtellum, and Ribes oxyacanthoides var. saxosum. The Ribes genus is found in the Grossulariaceae family.

**Parent Product**

206 - Food - Plant Source, Gooseberry Ribes hirtelium

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 207 - Food - Plant source, Grape (Red & Green)**

Recommended Scientific Name Vitis, (species to be specified)

Manufacturers of this Product

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: grape allergy English

Google: grape allergy; grape allergy adverse; grape allergen; grape allergen adverse

Nomenclature

According to ITIS, grapes are found in the Vitis genus. The scientific and common names need to be updated. The Vitis genus is found in the Vitaceae family.

Parent Product

207 - Food - Plant source, Grape (Red & Green)

Published Data

No supportive data were identified.

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product:** 208 - Food - Plant Source, Grape Vitis sp.

**Recommended Scientific Name** Vitis, (species to be specified)

**Manufacturers of this Product**

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

**Search Strategy**

PubMed: grape allergy English; Vitis allergy English

Google: grape allergy; grape allergy adverse; grape allergen; grape allergen adverse; same search results performed for Vitis

**Nomenclature**

According to ITIS, there are more than 20 different Vitis species. The Vitis genus is found in the Vitaceae family.

**Parent Product**

208 - Food - Plant Source, Grape Vitis sp.

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category I	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 209 - Food - Plant Source, Grape, Concord Vitis sp. (or Vitis labrusca)**

**Recommended Common Name** Grape, Fox

**Recommended Scientific Name** Vitis labrusca

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: grape allergy English; vitis labrusca English; vitis labrusca allergy; concord grape allergy; concord grape extract; jam allergy; grape jelly allergy; fox grape allergy

ISI searches: vitis labrusca allergy; grape allergy English

Google: grape allergy; grape allergy adverse; grape allergen; grape allergen adverse; same search results performed for Vitis labrusca

**Nomenclature**

According to ITIS, the scientific name, Vitis labrusca, is correct and current. The common name is listed as fox grape. Synonym is listed as Vitis labrusca var. subedentata. The Vitis genus is found in the Vitaceae family. Based on the PLANTS database, Vitis labrusca is also called the fox grape and is primarily used for jams, jellies and preserves.

**Parent Product**

209 - Food - Plant Source, Grape, Concord Vitis sp. (or Vitis labrusca)

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category I	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 210 - Food - Plant Source, Grape, Reiber****Recommended Common Name** Grape, Wine**Recommended Scientific Name** Vitis vinifera**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: grape allergy English; Reiber Allergy English; Ribier grape

Google: revealed can also be spelled Ribier; Reiber/ribier is an alternate, cultivar for vitis vinifera; grape allergy; grape allergy adverse; grape allergen; grape allergen adverse; same search results performed for Reiber and Ribier

**Nomenclature**

According to ITIS, Rieber grape is not listed. Since Panel I listed Rieber grape as Vitis vinifera, this scientific name was reviewed in ITIS. The common name of Vitis vinifera is wine grape. The Vitis genus is found in the Vitaceae family.

**Parent Product**

210 - Food - Plant Source, Grape, Reiber

**Published Data**

Reiber is a cultivar of Vitis vinifera. A recent review of the literature revealed several papers on grape allergy both in the US and Europe. Three of the four papers (PMIDs 11737676, 10437812, 11737676) dealt with a single case report of grape allergy. In each case a prick test was performed with grape extract and each gave a positive response to a cultivar of Vitis vinifera grape extract. In two of the cases grape pulp and grape juice were also used and gave a stronger response than the prick test using commercial grape extract. In the fourth paper (PMID 14982527), 10 children with allergy to grapes were prick tested with grape extract, only one child tested positive. A few children responded to prick test with grape pulp or grape peel. Outside of histamine, no other prick tests were performed as controls. Commercial grape extract assisted in the diagnosis of grape allergy in 3 out of 4 papers reviewed. No negative reactions were reported.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
212_ Allergy 59 - 364.pdf	14982527	Rodríguez, A.	2004
212_ Ann Allergy Asthma Immunol 83 - 25.pdf	10437812	Vasawani, S.K.	1999
212_ J Invest Allergol Clin Immunol 13 - 211.pdf	14635473	Caiaffa, M.F.	2003
212_ Pediatr Allergy Immunol 12- 289.pdf	11737676	Rodríguez, A.	2001

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 211 - Food - Plant Source, Grape, Tokay Vitis sp.**

**Recommended Scientific Name** Vitis, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: grape allergy English; Vitis allergy English; Tokay allergy

Google: revealed tokay is an alternate, cultivar for vitis vinifera; grape allergy; grape allergy adverse; grape allergen; grape allergen adverse; same search results performed for Vitis vinifera

**Nomenclature**

According to ITIS, there are 23 species within the Vitis genus. Tokay is not listed in ITIS. The Vitis genus is found in the Vitaceae family.

**Parent Product**

211 - Food - Plant Source, Grape, Tokay Vitis sp.

**Published Data**

Tokay is a cultivar of Vitis vinifera. A recent review of the literature revealed several papers on grape allergy both in the US and Europe. PMIDs 14982527, 14635473, 11737676 are case reports of grape allergy. In each case prick testing was performed with a grape extract and each gave a positive response to a cultivar of Vitis vinifera grape extract. In two of the cases grape pulp and grape juice were also used and gave a stronger response than the prick test using commercial grape extract. In PMID 10437812, 10 children with allergy to grapes were prick tested with grape extract, but only one child tested positive. A few children responded to prick test with grape pulp or grape peel. Outside of histamine, no other prick tests were performed as controls. Commercial grape extract assisted in the diagnosis of grape allergy in 3 out of 4 papers reviewed. No negative reactions were reported.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
212_ Allergy 59 - 364.pdf	14982527	Rodríguez, A.	2004
212_ Ann Allergy Asthma Immunol 83 - 25.pdf	10437812	Vasawani, S.K.	1999
212_ J Invest Allergol Clin Immunol 13 - 211.pdf	14635473	Caiaffa, M.F.	2003
212_ Pediatr Allergy Immunol 12- 289.pdf	11737676	Rodríguez, A.	2001

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 212 - Food - Plant Source, Grape, White Seedless Vitis sp. (or Vitis vinifera)**

**Recommended Common Name** Grape, Wine

**Recommended Scientific Name** Vitis vinifera

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: grape allergy English; Vitis allergy English; vitis vinifera allergy; vitis vinifera allergy limit English

Google: grape allergy; grape allergy adverse; grape allergen; grape allergen adverse; same search results performed for Vitis vinifera

**Nomenclature**

According to ITIS, the scientific name, Vitis vinifera, is correct and current. The common name is listed as wine grape. The Vitis genus is found in the Vitaceae family.

**Parent Product**

212 - Food - Plant Source, Grape, White Seedless Vitis sp. (or Vitis vinifera)

**Published Data**

Tokay is a cultivar of Vitis vinifera. A recent review of the literature revealed several papers on grape allergy both in the US and Europe. PMIDs 14982527, 14635473, 11737676 are case reports of grape allergy. In each case prick testing was performed with a grape extract and each gave a positive response to a cultivar of Vitis vinifera grape extract. In two of the cases grape pulp and grape juice were also used and gave a stronger response than the prick test using commercial grape extract. In PMID 10437812, 10 children with allergy to grapes were prick tested with grape extract, but only one child tested positive. A few children responded to prick test with grape pulp or grape peel. Outside of histamine, no other prick tests were performed as controls. Commercial grape extract assisted in the diagnosis of grape allergy in 3 out of 4 papers reviewed. No negative reactions were reported.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
212_ Allergy 59 - 364.pdf	14982527	Rodríguez, A.	2004
212_ Ann Allergy Asthma Immunol 83 - 25.pdf	10437812	Vasawani, S.K.	1999
212_ J Invest Allergol Clin Immunol 13 - 211.pdf	14635473	Caiaffa, M.F.	2003
212_ Pediatr Allergy Immunol 12- 289.pdf	11737676	Rodríguez, A.	2001

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 213 - Food - Plant Source, Grapefruit Citrus paradisi**

Recommended Scientific Name Citrus X paradisi

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: grapefruit allergy English; citrus paradisi allergy

ISI search: grapefruit and allergy; citrus and paradisi and allergy

Google search: Grapefruit allergy

Nomenclature

According to ITIS, the correct spelling of Citrus paradisi is Citrus X paradisi. Common names are listed as grapefruit and paradise citrus. The common name is correct and current. The scientific name needs to be updated. The Citrus genus is found in the Rutaceae family.

Parent Product

213 - Food - Plant Source, Grapefruit Citrus paradisi

Published Data

No supportive data were identified.

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 214 - Food - Plant Source, Grapefruit Citrus unvacarpa**

**Recommended Scientific Name** Citrus X paradisi

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: grapefruit allergy English; Citrus unvacarpa allergy

ISI search: grapefruit and allergy; citrus and unvacarpa and allergy

Google: grapefruit allergy; grapefruit allergy adverse; grapefruit allergen; grapefruit allergen adverse; same search results performed for Citrus unvacarpa

**Nomenclature**

Citrus unvacarpa is not listed in ITIS. According to IT IS the scientific name of grapefruit is Citrus X paradisi. Common name is correct and curent. The scientific name needs to be updated. The Citrus genus is found in the Rutaceae family.

**Parent Product**

214 - Food - Plant Source, Grapefruit Citrus unvacarpa

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 215 - Food - Plant Source, Hazlenut (Filbert) Corylus spp**

**Recommended Scientific Name** Corylus, (species to be specified)

**Manufacturers of this Product**

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

**Search Strategy**

PubMed: Filbert allergy English; Hazelnut allergy English; Corylus allergy English; Corylus americana allergy English

Google: filbert adverse event

**Nomenclature**

According to ITIS, the scientific name, Corylus americana, is correct and current. Common names are American hazelnut, hazel, and hazelnut. Synonym is Corylus Americana var. indehiscens. The Corylus genus is found in the Betulaceae family.

**Parent Product**

202 - Food - Plant Source, Filbert Corylus americana

**Related Products**

215 - Food - Plant Source, Hazlenut (Filbert) Corylus spp

**Published Data**

A recent literature search revealed several papers on hazelnut allergy. Crossreactivity studies have been performed against both coconut (PMID 14989401) and peanut (12956750). In another paper (PMID 12622744) looking at seventeen hazelnut allergic individuals, hazelnut extracts performed well on skin prick test, and could also be used for in vitro tests such as IgE ELISA and histamine release.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
202_ Allergy 58 - 132.pdf	12622744	Hansen, K.S.	2003
202_ Ann Allergy Asthma Immunol 92 - 281.pdf	14989401	Nguyen, S.A.	2004
202_ Clin Exp Allergy 33 - 1273.pdf	12956750	de Leon, M.P.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 216 - Food - Plant Source, Hickory Nut Carya sp.**

Recommended Scientific Name Carya, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: hickory nut allergy; Carya allergy

ISI search: hickory and nut and allergy; hickory and allergy; carya and allergy

Google: hickory nut allergy: there are several sites that list hickory nut as a tree nut and that they should be avoided when tree nut allergy is diagnosed

Nomenclature

According to ITIS, there are 23 species of Carya (hickory) listed. The Carya genus is found in the Juglandaceae family.

Parent Product

216 - Food - Plant Source, Hickory Nut Carya sp.

Published Data

No supportive data were identified.

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 217 - Food - Plant Source, Honeydew Melon Cucumis melo**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: Honeydew allergy; Cucumis melo allergy  
ISI search: honeydew allergy; cucumis melo allergy  
Google: honeydew allergy

**Nomenclature**

According to ITIS, the scientific name, Cucumis melo, is correct and current. The common names are cantaloupe and cantaloupe. Synonym is listed as Cucumis melo var. dudaim. The Cucumis genus is found in the Cucurbitaceae family.

**Parent Product**

217 - Food - Plant Source, Honeydew Melon Cucumis melo

**Published Data**

A search of the literature showed no papers for honeydew, but three relevant papers for its genus and species: Cucumis melo. PMIDs 14533664, 11080722, 12801320 reported skin prick and oral challenges with melon. Two of the three papers used melon pulp instead of melon extracts for skin prick tests. However, the third paper used three different extracts on over 60 people. They showed a wide range of positive results: 12%, 19% or 90% of melon allergic patients responded positively to prick tests. Cucumisin (Cuc m 1) was identified as the major allergen in melon in one of the papers.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
217_ Ann Allergy Asthma Immunol 91 - 303.pdf	14533664	Figueredo, E.	2003
217_ J Allergy Clin Immunol 106 - 968.pdf	11080722	Rodriguez, J.	2000
217_ Clin Exp Allergy 33 - 827.pdf	12801320	Cuesta-Herranz, J.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 218 - Food - Plant Source, Hops Humulus lupulus**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Hops allergy; Humulus lupulus allergy

ISI search: hops allergy; Humulus lupulus allergy

Google: "hops adverse event"

**Nomenclature**

According to ITIS, the scientific name, Humulus lupulus, is correct and current. The common names are common hop, common hops, and hops. There are four varieties of H. lupulus listed: lupuloides, lupulus, neomexicanus, and pubescens. The Humulus genus is found in the Cannabaceae family.

**Parent Product**

218 - Food - Plant Source, Hops Humulus lupulus

**Published Data**

Three papers concerning hops allergy were reviewed. In PMID 11918619, dried hops were used in a prick plus prick test. Prick plus prick data do not provide useful hops extract. In PMIDs 11426925, 3950255 extracts of hops were used in skin prick tests. These tests were positive and helped identify the source of type 1 patient allergies.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
218_ Ann Agric Environ Med 8 - 51.pdf	11426925	Spiewak, R.	2001
218_ contact dermatitis 46 - 127.pdf	11918619	Estrada, J.L.	2002
218_ J Allergy Clin Immunol 77-516.pdf	3950255	Stricker, W.E.	1986

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 219 - Food - Plant Source, Horse Radish Rorippa armorica**

**Recommended Common Name** Horseradish

**Recommended Scientific Name** Armoracia rusticana

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Horse radish allergy limit English; Rorippa armorica allergy limit English; Rorippa allergy

ISI search: Horse and radish and allergy; Rorippa and allergy

Google search: horseradish allergy

**Nomenclature**

According to ITIS, the current name of Rorippa armorica is Armoracia rusticana. Common names are listed as horse-radish and horseradish. Synonyms are: Armoracia armoracia, Armoracia lapathifolia, Cochlearia armoracia, Nasturtium armoracia, Radicula armoracia, and Rorippa armoracia. The Armoracia genus is found in the Brassicaceae family.

**Parent Product**

219 - Food - Plant Source, Horse Radish Rorippa armorica

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 220 - Food - Plant Source, Horseradish Armoracia rusticana**

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: Horse radish allergy limit English; Rorippa armoracia allergy limit English; Rorippa allergy

ISI search: Horse and radish and allergy; Rorippa and allergy

Google search: horseradish allergy

**Nomenclature**

According to ITIS, the scientific name, *Armoracia rusticana*, is correct and current. Common names are listed as horse-radish and horseradish. Synonyms are: *Armoracia armoracia*, *Armoracia lapathifolia*, *Cochlearia armoracia*, *Nasturtium armoracia*, *Radicula armoracia*, and *Rorippa armoracia*. The *Armoracia* genus is found in the Brassicaceae family.

**Parent Product**

220 - Food - Plant Source, Horseradish *Armoracia rusticana*

**Published Data**

No supportive data were identified.

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 221 - Food - Plant Source, Juniper Berries Juniperus communis**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: Juniper allergy; Juniper berry allergy; Juniperus communis allergy

ISI search: Juniperus communis and allergy

Google: Juniper berry allergy

**Nomenclature**

According to ITIS, the scientific name, Juniperus communis, is correct and current. Common names are listed as common juniper and dwarf juniper. Four varieties of J. communis are listed: communis, depressa, megistocarpa, and montana. The Juniperus genus is found in the Cupressaceae family.

**Parent Product**

221 - Food - Plant Source, Juniper Berries Juniperus communis

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 222 - Food - Plant Source, Leek Allium porrum**

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: leek allergy; Allium porrum allergy

ISI search: leek and allergy; allium and porrum and allergy

Google: leek allergy

**Nomenclature**

According to ITIS, the scientific name, Allium porrum, is correct and current. The common name is garden leek. Synonym is listed as Allium ampeloprasum var. porrum. The Allium genus is found in the Liliaceae family.

**Parent Product**

222 - Food - Plant Source, Leek Allium porrum

**Published Data**

PMIDs 15575950,11167386, 14713923 included data on leek allergy, while PMIDs 10753025, 12121198 only mentioned leeks as being related to onion. In none of these papers was leek extract used for prick or ID tests. Instead, leek juice was used for conjunctival challenge or prick-prick and scratch tests were performed using the leaf and bulb. Leek extract was used for ELISA and Western blot analysis. Purified alliin lyase, from garlic, leek, and onion, cross-react (PMID 14713923).

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
222_ allergy 55 - 297.pdf	10753025	Sanchez-Hernandez,	2000
222_ Allergy 57 - 752.pdf	12121198	Pérez-Calderón, R.	2002
222_ Allergy 60 - 132.pdf	15575950	Armentia, A.	2005
222_ Allergy 56 - 192.pdf	11167386	Cadot, P.	2001
222_ J Allergy Clin Immunol 113 - 161.pdf	14713923	Kao, S.H.	2004

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 223 - Food - Plant Source, Lemon Citrus limon**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed search: lemon allergy limit English; Citrus limon allergy limit English

ISI search: lemon and allergy; Citrus and limon and allergy

Google: lemon allergy; lemon allergy adverse; lemon allergen; lemon allergen adverse; same search results performed for Citrus limon

**Nomenclature**

According to ITIS, the scientific name, Citrus limon, is correct and current. The common name is lemon. The Citrus genus is found in the Rutaceae family.

**Parent Product**

223 - Food - Plant Source, Lemon Citrus limon

**Published Data**

PMIDs 2526827, 7821015 were about contact dermatitis and were not IgE mediated. PMIDs 14713927, 15947476 were about allergy to orange, but showed that some patients had anti-lemon IgE. Both orange and lemon proteins show cross-reactivity with a peach protein. In one paper a putative lipid transfer protein was isolated from both oranges and lemons. These proteins were used in skin prick tests of orange allergic patients and 37-46% of patients reacted to this protein.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
223_ J Am Acad Dermatol 21 - 395.pdf	2526827	Cardullo, A.C.	1989
223_ Contact Dermatitis 31 -183.pdf	7821015	Audicana, M.	1994
223_ J Allergy Clin Immunol 113 - 175.pdf	14713927	Ibáñez, M.D.	2004
223_ Int Arch Allergy Immunol 137 - 201.pdf	15947476	Ahrazem, O.	2005

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 224 - Food - Plant Source, Lentil Lens culinaris**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: Lentil allergy English; Lens culinaris English

Google: lentil allergy

**Nomenclature**

According to ITIS, the scientific name, Lens culinaris, is correct and current. The common name is lentil. Synonyms are listed as Cicer lens, Ervum lens, and Lens esculenta. The Lens genus is found in the Fabaceae family.

**Parent Product**

224 - Food - Plant Source, Lentil Lens culinaris

**Related Products**

225 - Food - Plant Source, Lentil Lens esculenta

**Published Data**

A review of 3 papers showed over 100 people with lentil allergy. In PMID 10604559, 38 patients were each skin prick tested with lentil extract. The response varied with the severity of disease. Western blot and ELISA tests were performed in these papers with patient sera and lentil extracts. IgE bound lentil extract well in each test.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
224_ Allergy 54 - 1209.pdf	10604559	Ibáñez Sandín, D.	1999

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 225 - Food - Plant Source, Lentil Lens esculenta**

**Recommended Scientific Name**      Lens culinaris

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed search: lentil allergy; Lens esculenta allergy

ISI search: lentil and allergy; Lens esculenta allergy

Google: Lens esculenta allergy

**Nomenclature**

According to ITIS, the current name of Lens esculenta is Lens culinaris. The common name is lentil. The common name is correct and current. The scientific name needs to be updated. Synonyms are listed as Cicer lens, Ervum lens, and Lens esculenta. The Lens genus is found in the Fabaceae family.

**Parent Product**

224 - Food - Plant Source, Lentil Lens culinaris

**Related Products**

225 - Food - Plant Source, Lentil Lens esculenta

**Published Data**

A review of 3 papers showed over 100 people with lentil allergy. In PMID 10604559, 38 patients were all skin prick tested with lentil extract. The response varied with the severity of disease. Western blot and ELISA tests were performed in these papers with patient sera and lentil extracts. IgE bound lentil extract well in each test.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
224_ Allergy 54 - 1209.pdf	10604559	Ibáñez Sandín, D.	1999

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 226 - Food - Plant Source, Lettuce Lactuca sativa**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: lettuce allergy; Lactuca sativa allergy  
Google: lettuce allergy; lettuce allergy adverse; lettuce allergen; lettuce allergen adverse; same search results performed for Lactuca sativa

**Nomenclature**

According to ITIS, the scientific name, Lactuca sativa, is correct and correct. The common name is lettuce and garden lettuce. Synonyms are Lactuca scariola var. integrata and Lactuca scariola var. integrifolia. The Lactuca genus is found in the Asteraceae family.

**Parent Product**

226 - Food - Plant Source, Lettuce Lactuca sativa

**Published Data**

Four papers were reviewed for Lactuca sativa extract. In PMID 139283, non-IgE mediated contact dermatitis was diagnosed. In PMID 14616144, the presence of lettuce -specific IgE was detected using lettuce extracts, but no in vivo tests were performed with lettuce extracts. The two remaining papers (PMIDs 9756210, 8877160) discussed patients that had IgE mediated allergic reactions to lettuce. This was verified in both papers by skin prick test with lettuce extract and through detection of lettuce-specific IgE.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
200_ Contact Dematitis 3 - 27.pdf	139283	Krook, G.	1977
226_ Clin Exp Allergy 28-1031.pdf	9756210	Vila, L.	1998
200_ Clin Exp Allergy 26 - 940.pdf	8877160	Cadot, P.	1996
226_ Allergy 58 - 1205.pdf	14616144	Olive-Perez, A.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 227 - Food - Plant Source, Lettuce, Romain Lactuca romana**

**Recommended Common Name** Romaine

**Recommended Scientific Name** Lactuca sativa

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed and ISI searches: Lactuca romana allergy; Romain lettuce allergy; romaine lettuce allergy

Google: lettuce allergy; lettuce allergy adverse; lettuce allergen; lettuce allergen adverse; same search results performed for Lactuca romana

**Nomenclature**

A Google search revealed that romain should be spelled romaine. PLANTS database does not cite a Lactuca romana or romaine lettuce. USDA has published papers indicating that romaine lettuce is actually Lactuca sativa.

[http://www.ars.usda.gov/research/publications/publications.htm?seq\\_no\\_115=140336](http://www.ars.usda.gov/research/publications/publications.htm?seq_no_115=140336) Lactuca romana is not listed in ITIS.

According to ITIS, the scientific name, Lactuca sativa is commonly called lettuce and garden lettuce. Synonyms are Lactuca scariola var. integrata and Lactuca scariola var. integrifolia. The Lactuca genus is found in the Asteraceae family

**Parent Product**

227 - Food - Plant Source, Lettuce, Romain Lactuca romana

**Published Data**

Four papers were reviewed for Lactuca sativa extract. In PMID 139283, non-IgE mediated contact dermatitis was diagnosed. In PMID 14616144, the presence of lettuce -specific IgE was detected using lettuce extracts, but no in vivo tests were performed with lettuce extracts. The two remaining papers (PMIDs 9756210, 8877160) discussed patients that had IgE mediated allergic reactions to lettuce. This was verified in both papers by skin prick test with lettuce extract and through detection of lettuce-specific IgE.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
226_ Clin Exp Allergy 28-1031.pdf	9756210	Vila, L.	1998
226_ Allergy 58 - 1205.pdf	14616144	Olive-Perez, A.	2003
200_ Contact Dematitis 3 - 27.pdf	139283	Krook, G.	1977
200_ Clin Exp Allergy 26 - 940.pdf	8877160	Cadot, P.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 228 - Food - Plant Source, Licorice Glycyrrhiza glabra**

**Recommended Common Name** Licorice, Cultivated

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed search: Licorice allergy; Glycyrrhiza glabra allergy

ISI search: Licorice and allergy; Glycyrrhiza and allergy:

Google: licorice allergy; licorice allergy adverse; licorice allergen; licorice allergen adverse; same search results performed for Glycyrrhiza glabra

**Nomenclature**

According to ITIS, the scientific name, Glycyrrhiza glabra, is correct and current. The common name is cultivated licorice. The scientific name is correct and current. The common name needs to be updated. The Glycyrrhiza genus is found in the Fabaceae family.

**Parent Product**

228 - Food - Plant Source, Licorice Glycyrrhiza glabra

**Published Data**

Only two papers have been published on allergy to Licorice. PMID 9928815 is about contact dermatitis, which is not an IgE mediated disease when diagnosed with a patch test. PMID 10726738 shows IgE mediated disease in one individual that can be diagnosed using Licorice extracts. No challenge tests were performed.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
228_ Allergy 55 - 195.pdf	10726738	González-Gutiérrez, M	2000
228_ Contact Dermatitis 40 -56.pdf	9928815	Nishioka, K.	1999

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIB	Category I
<u>Therapy:</u>	Category IIIB	Category II

**Product: 229 - Food - Plant Source, Lime Citrus aurantifolia**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: lime allergy; Citrus aurantifolia allergy

ISI search: lime allergy; Citrus aurantifolia

Google: lime allergy

**Nomenclature**

According to ITIS, the scientific name, Citrus aurantifolia, is correct and current. The common name is lime. Synonyms are listed as Citrus aurantifolia and Limonia aurantifolia. The Citrus genus is found in the Rutaceae family.

**Parent Product**

229 - Food - Plant Source, Lime Citrus aurantifolia

**Published Data**

PMIDs 2526827, 2347175 involve contact dermatitis to lime. Both papers used patch testing for diagnosis. There is no evidence that lime extract is safe or effective for diagnosing type I allergy by prick test.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
223_ J Am Acad Dermatol 21 - 395.pdf	2526827	Cardullo, A.C.	1989
229_ Contact Dermatitis 22 - 212.pdf	2347175	Roesyanto-Mahadi, I.	1990

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 230 - Food - Plant Source, Mace Myristica fragrans**

**Recommended Common Name** Nutmeg

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: Mace allergy; myristica fragrans allergy

ISI search: Mace allergy; Myristica fragrans allergy

Google: mace allergy; mace allergy adverse; mace allergen; mace allergen adverse; same search results performed for Myristica fragrans

**Nomenclature**

According to ITIS, the scientific name, Myristica fragrans, is correct and current. The common name is nutmeg. Synonym is Myristica officinalis. The Myristica genus is found in Myristicaceae family. Nutmeg and Mace are both made from the fruit of evergreen trees. Nutmeg is the actual seed of the tree, while mace is the dried "lacy" reddish covering or arillus of the seed. (<http://en.wikipedia.org/wiki/Nutmeg>)

**Parent Product**

230 - Food - Plant Source, Mace Myristica fragrans

**Published Data**

Three papers (PMIDs 8738518, 2433321, 2411778) were found regarding mace allergy. Two performed tests in vivo, the third was an in vitro paper. The two in vivo papers tested for allergy using either scratch tests with the ground spice, or using a suspension of the spice in PBS. However, all three papers performed in vivo tests with extract of mace and found the IgE proteins could be detected by RAST, histamine release assay, and Western blot analysis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
230_ Allergy 51 - 117.pdf	8738518	Sastre, J.	1996
230_ J Allergy Clin Immunol 79 - 108.pdf	2433321	van Toorenenbergen,	1987
204_ J Allergy Clin Immunol 76 - 477.pdf	2411778	van Toorenenbergen,	1985

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 231 - Food - Plant Source, Malt Hordeum vulgare**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Malt allergy; Hordeum vulgare allergy; Malt and Hordeum vulgare allergy

ISI search malt and allergy

Google: malt allergy; malt allergy adverse; malt allergen; malt allergen adverse; same search results performed for Hordeum vulgare

**Nomenclature**

According to ITIS, the scientific name, Hordeum vulgare, is correct and current. Common names are listed as Barley, cereal barley, and common barley. Synonyms are listed Hordeum aegiceras, H. distichon, H. hexastichon, H. hexastichum, H. irregulare, H. sativum, and H. vulgare var. trifurcatum. The Hordeum genus is found in the Poaceae family.

Malt is frequently made from Barley (Hordeum vulgare). Malting usually involves soaking the grain in water for 48 hours and then allowing it to germinate for a couple more days. The grain is then heated in a kiln where it is dried and roasted. Malt is used to make beer, whiskey, or malt vinegar.

**Parent Product**

231 - Food - Plant Source, Malt Hordeum vulgare

**Published Data**

Although there appear to be plenty of papers about allergy to malt, there are few that seem to speak directly about barley malt. Three papers (PMIDs 10435480, 15237771, 10202351) were found on barley malt, two of the three use extracts of barley malt to positively identify allergy by skin prick test. Both of these papers also use the extracts for Western blot analysis and find that patient IgE binds to proteins in barley malt. However, Panel I stated that processed products should not be approved.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
231_ Allergy 54 - 630.pdf	10435480	Figueredo, E.	1999
231_ Ann Allergy Asthma Immunol 92 - 673.pdf	15237771	Herzinger, T.	2004
231_ Clin Exp Allergy 29 - 407.pdf	10202351	Curioni, A.	1999

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 232 - Food - Plant Source, Mango Mangifera indica**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: mango allergy; Mangifera indica

ISI search: mango and allergy

Google: mango allergy; mango allergy adverse; mango allergen; mango allergen adverse; same search results performed for Mangifera indica

**Nomenclature**

According to ITIS, the scientific name, Mangifera indica, is correct and current. The common name is mango. The Mangifera genus is found in the Anacardiaceae family.

**Parent Product**

232 - Food - Plant Source, Mango Mangifera indica

**Published Data**

Three papers (PMIDs 10505467, 11251404, 3147776) were found regarding the diagnosis of mango allergy. One paper used mango pulp for skin tests, while another used mango juice for skin tests. The third paper looked at cross reactivity of mango to carrot, celery, mugwort pollen and birch pollen. All four extracts did inhibit binding of allergic patient sera to mango coated disks (EAST inhibition), with the highest inhibition being by carrot extract (92%). Celery extract inhibited binding by 58%, mugwort and birch pollens each by 58%. Western blot inhibition revealed similar results.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
232_ Allergy 54 - 1004.pdf	10505467	Duque, S.	1999
232_ Allergy 56 - 237.pdf	11251404	Paschke, A.	2001
232_ BMJ 297 - 1639.pdf	3147776	Miell, J.	1986

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 233 - Food - Plant Source, Melon, Catalope Cucumis melo**

**Manufacturers of this Product**

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

**Search Strategy**

PubMed: Cucumis melo allergy; cantaloupe allergy

Google: cantaloupe allergy; cantaloupe allergy adverse; cantaloupe allergen; cantaloupe allergen adverse; same search results performed for Cucumis melo

**Nomenclature**

According to ITIS, the scientific name, Cucumis melo, is correct and current. Common names are cantaloupe and cantaloupe. Synonym is Cucumis melo, var. dudaim. The Cucumis genus is found in the Cucurbitaceae family.

**Parent Product**

233 - Food - Plant Source, Melon, Catalope Cucumis melo

**Published Data**

A search of the literature showed three relevant papers (PMIDs 14533664, 11080722, 12801320) for Cucumis melo. All three of the papers reported skin prick and oral challenges with melon. Two of the three papers used melon pulp instead of melon extracts for skin prick tests. However, the third paper used three different extracts on over 60 people. They showed a wide range of positive results: 12%, 19% or 90% of melon allergic patients responded positively to prick tests. Cucumisin (Cuc m 1) was identified as the major allergen in melon in one of the papers.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
217_ Ann Allergy Asthma Immunol 91 - 303.pdf	14533664	Figueredo, E.	2003
217_ J Allergy Clin Immunol 106 - 968.pdf	11080722	Rodriguez, J.	2000
217_ Clin Exp Allergy 33 - 827.pdf	12801320	Cuesta-Herranz, J.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 234 - Food - Plant Source, Melon, Crenshaw**

**Recommended Scientific Name** Cucumis melo

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed search: Crenshaw allergy

ISI search: Crenshaw and allergy

Google search: Crenshaw melon allergy

**Nomenclature**

The genus and species Cucumis melo encompasses many melons. The Cucumis melo melo (subspecies) is further divided into several cultivar groups, including the cantalupensis group, which includes the true cantaloupes. Another cultivar group is the inodorus group, which includes both the crenshaw and honeydew melons.

(<http://en.wikipedia.org/wiki/Melon>) Therefore, All papers found for cucumis melo for the honeydew search are used for this extract. The summary below is from the honeydew and cantaloupe files. The labelling should be changed to Cucumis melo (crenshaw).

**Parent Product**

234 - Food - Plant Source, Melon, Crenshaw

**Published Data**

A search of the literature showed three relevant papers for Cucumis melo. All three of the papers reported skin prick and oral challenges with melon. PMIDs 11080722, 12801320 used melon pulp instead of melon extracts for skin prick tests. However, PMID 14533664 used three different extracts on over 60 people. The result was a wide range of positive responses: 12%, 19% or 90% of melon allergic patients responded positively to prick tests with the different melon extracts. Cucumisin (Cuc m 1) was identified as the major allergen in melon in one of the papers.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
217_ Ann Allergy Asthma Immunol 91 - 303.pdf	14533664	Figueredo, E.	2003
217_ J Allergy Clin Immunol 106 - 968.pdf	11080722	Rodriguez, J.	2000
217_ Clin Exp Allergy 33 - 827.pdf	12801320	Cuesta-Herranz, J.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 235 - Food - Plant Source, Millet Setaria sp.**

**Recommended Scientific Name** Setaria, (species to be specified)

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: Millet allergy; Setaria allergy; Setaria italica allergy; Setaria and Millet and allergy

ISI: Millet and allergy; Setaria allergy

Google: Millet allergy; Millet allergy adverse; Millet allergen; Millet allergen adverse; same search results performed for Setaria

**Nomenclature**

"The millets are a group of small-seeded species of cereal crops, widely grown around the world for food and fodder. They do not form a taxonomic group, but rather a functional or agronomic one, based on similar characteristics and uses." The major millets are: Pennisetum glaucum, Setaria italica, Panicum miliaceum, and Eleusine coracana.

(<http://en.wikipedia.org/wiki/Millet>). There are dozens of Setaria species of plants on the usda web site.

(<http://www.plants.usda.gov/>)

According to ITIS, there are two varieties and 38 species within the genus of Setaria. The Setaria genus is found in the Poaceae family.

**Parent Product**

235 - Food - Plant Source, Millet Setaria sp.

**Published Data**

Even if this product refers to Setaria italica, there were no supportive data identified.

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 236 - Food - Plant Source, Mint Mentha spicata**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed search: spearmint allergy; Mentha spicata allergy

ISI search: spearmint and allergy; Mentha and spicata and allergy

Google: spearmint allergy; spearmint allergy adverse; spearmint allergen; spearmint allergen adverse; same search results performed for Mentha spicata

**Nomenclature**

According to ITIS, the scientific name, Mentha spicata, is correct and current. The common names are bush mint and spearmint. Synonyms are listed as menthe cordifolia, Mentha longifolia, and Mentha viridis. The Mentha genus is found in Lamiaceae family.

**Parent Product**

236 - Food - Plant Source, Mint Mentha spicata

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 237 - Food - Plant Source, Mushroom Agaricus campestris**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

Pubmed: Mushroom allergy; Agaricus campestris allergy; Agaricus allergy; Agaricus campestris; mushroom food allergy; Champignon allergy

ISI search: mushroom allergy; Champignon allergy

Google: Agaricus campestris allergy

**Nomenclature**

According to ITIS, there are eight orders of fungi in the class Basidiomycetes, they are: Agaricales, Auriculariales, Boletales, Cantharellales, Lycoperdales, Melanogastrales, Sclerodermatales, and Tremellales. Agaricus campestris is also called the meadow mushroom and can be frequently found growing on lawns. (<http://www.perspective.com/nature/fungi/agaricus.html>) This fungus is edible. ([http://userwww.sfsu.edu/~ded/Pastures/A\\_campestris.html](http://userwww.sfsu.edu/~ded/Pastures/A_campestris.html)). There are other edible mushrooms that are related: Agaricus augustus, Agaricus bisporus. There are also related poisonous mushrooms: Agaricus xanthodermus, Agaricus praeclaresquamosus. The meadow mushroom can also be called Champignon. (<http://www.perspective.com/nature/fungi/agaricus.html>)

**Parent Product**

237 - Food - Plant Source, Mushroom Agaricus campestris

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 238 - Food - Plant Source, Mustard Greens Brassica juncea**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: Mustard Greens allergy; Mustard Green allergy; Brassica juncea allergy

ISI search: Mustard Greens allergy; Brassica juncea allergy; mustard green allergy

Google: mustard green allergy

**Nomenclature**

According to ITIS, the scientific name, Brassica juncea, is correct and current. Common names are Chinese mustard, India mustard, and Indian mustard. Synonyms are Brassica integrifolia, Brassica integrifolia, Brassica japonica, Brassica juncea var. crispifolia, Brassica juncea var. japonica, Brassica wildenowii, Sinapis juncea. The Brassica genus is in the Brassicaceae family.

**Parent Product**

238 - Food - Plant Source, Mustard Greens Brassica juncea

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 239 - Food - Plant Source, Mustard Seed Brassica spp.**

**Recommended Scientific Name** Brassica nigra

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: mustard seed allergy; Brassica allergy

ISI search: mustard and allergy; Brassica and allergy

Google: mustard seed allergy; mustard seed allergy adverse; mustard seed allergen; mustard seed allergen adverse; same search results performed for Brassica

**Nomenclature**

According to ITIS, there are two varieties and nineteen species within the Brassica genus. The Brassica genus is in the Brassicaceae family. ITIS lists Brassica hirta as the currently unaccepted name for Sinapis alba.

**Parent Product**

239 - Food - Plant Source, Mustard Seed Brassica spp.

**Published Data**

B. nigra was commonly used as mustard seed until the 1950s, but it was replaced by B. juncea because the seeds of B. nigra could not be harvested mechanically. <http://www.ienica.net/crops/mustards.htm>

PMID 15575930 discusses use of extracts of S. alba for SPT and prick-prick testing. A mustard sauce was used to evaluate mustard allergy by SBPCFC. A rate of 42% mustard allergy was found. Two papers (PMIDs 12197573, 1416267) deal with unmixed B. nigra extracts. From these papers there were a total of 31 people that reported mustard allergy. All tested positive to extracts of B. nigra, and had B. nigra specific IgE.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
239_ Allergy 60 -48.pdf	15575930	Figueroa, J.	2005
239_ Ann Allergy Asthma Immunol 89 - 166.pdf	12197573	Caballero, T.	2002
239_ Annals of Allergy 69 -317.pdf	1416267	Monreal, P.	1992

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 240 - Food - Plant Source, Nectarine Prunus persica**

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: nectarine allergy; Prunus persica allergy

ISI search: tangerine and allergy

Google: nectarine allergy; nectarine allergy adverse; nectarine allergen; nectarine allergen adverse; same search results performed for Prunus persica

**Nomenclature**

Nectarine is the same genus and species as peach. ("The nectarine is a Cultivar Group of peach that has a smooth, fuzzless skin." <http://en.wikipedia.org/wiki/Peach>)

According to ITIS, the scientific name, Prunus persica, is correct and current. The common name is peach. Synonyms are Amygdalus persica and Persica vulgaris. Two varieties of Prunus persica are listed: nucipersica and persica. The Prunus genus is found in the Rosaceae family.

**Parent Product**

240 - Food - Plant Source, Nectarine Prunus persica

**Published Data**

Federal Register sites two papers (from the 1940's) that demonstrated positive skin test reactions to fresh peach extract. (50, 15, page 3246).

In PMID 15612787 ten people have positive SPT to peach. However, fresh peach was used for the SPT, not peach extracts.

In PMID 15947476 twenty-seven subjects had positive reaction to peach skin and / or pulp.

In PMID 10887323 subjects were skin tested using the prick-prick method with fresh fruit provided by the subject.

Peach leaf extract was positive in one subject in PMID 14987310.

In PMID 12269944, sixty-five patients were skin prick tested with fresh peach.

Seven subjects had positive reactions to commercial extracts of peach in PMID 10582717.

In PMID 21337912 SPT with frozen peach, fresh peach, and commercial peach extracts were compared.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
259_ J Agric Food Chem 52 - 7997.pdf	15612787	Brenna, O.V.	2004
223_ Int Arch Allergy Immunol 137 - 201.pdf	15947476	Ahrazem, O.	2005
129_ J Allergy Clin Immunol 106-183.pdf	10887323	Rodriguez, J.	2000
259_ Clin Exp Allergy 34-291.pdf	14987310	Garcia, B.E.	2004
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
274_ Ann Allergy Asthma Immunol 83 - 377.pdf	10582717	Asero, R.	1999
259_ Asian Pac J Allergy Immunol 28 - 275.pdf	21337912	Garriga T	2010

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 241 - Food - Plant Source, Nutmeg *Myristica fragans***

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: nutmeg allergy; *Myristica fragans* allergy

ISI search: nutmeg allergy; *Myristica fragans* allergy

Google: nutmeg allergy; nutmeg allergy adverse; nutmeg allergen; nutmeg allergen adverse; same search results performed for *Myristica fragans*

**Nomenclature**

According to ITIS, the scientific name, *Myrsitica fragans*, is correct and current. Common name is nutmeg. The scientific and common names are correct and current. Synonym is *Myristica officinalis*. The *Myristica* genus is found in Myristicaceae family.

**Parent Product**

241 - Food - Plant Source, Nutmeg *Myristica fragans*

**Published Data**

A review of the literature revealed a few papers on nutmeg allergy. The three papers reviewed (PMID 1957997, 8299390, 8738518) all used nutmeg to test for allergic response in the form of a suspension in PBS, white petrolatum, or plain in a scratch test. No challenges were performed. Only one person tested for nutmeg specific IgE reacted positively, and it was a weak response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
195_ Allergy 46 -475.pdf	1957997	Stager, J.	1991
195_ cutis 52 - 288.pdf	8299390	Futrell, J.M.	1993
230_ Allergy 51 - 117.pdf	8738518	Sastre, J.	1996

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 242 - Food - Plant Source, Oat Avena sativa**

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: oat allergy; Avena sativa allergy

ISI search: oat allergy; avena allergy

Google: oat allergy

**Nomenclature**

When oats are harvested they have a hull that surrounds the bran, germ, and endosperm. The outer hull is inedible and is removed prior to the milling process. After the grain is hulled, the bran, germ and endosperm remain.

[http://www.namamillers.org/prd\\_o\\_mill.html](http://www.namamillers.org/prd_o_mill.html)

According to ITIS, the scientific name, Avena sativa, is correct and current. The common names are common oat, oat, oatgrass, wild oats. Synonyms are listed as Avena byzantine, Avena fatua var. sativa, Avena hybrida, and Avena sativa var. orientalis. The Avena genus is found in Poaceae family.

**Parent Product**

242 - Food - Plant Source, Oat Avena sativa

**Related Products**

329 - Food - Plant Source, Whole Grain Oat

**Published Data**

In PMID 8581843, oat suspensions were used rather than extracts, so this paper is not supportive of use of oat extracts for diagnosis of oat disease. In PMID 7560636, 29 individuals were skin prick tested with oat extracts, 18 gave a positive result. DBPCFC was performed on all 18, but only 5 gave a positive result.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
243_ Clin Exp Allergy 25 - 1100.pdf	8581843	Varjonen, E.	1995
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 243 - Food - Plant Source, Oat Grain Avena spp.**

**Recommended Scientific Name** Avena, (species to be specified)

**Manufacturers of this Product**

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: oat grain allergy; Avena allergy; avena sativa grain allergy

ISI search: avena and allergy

Google: oat grain allergy; oat grain allergy adverse; oat grain allergen; oat grain allergen adverse; same search results performed for Avena

**Nomenclature**

According to ITIS, there are two subspecies and nine species within the Avena genus. The Avena genus is found in Poaceae family.

**Parent Product**

243 - Food - Plant Source, Oat Grain Avena spp.

**Published Data**

In PMID 8581843, oat suspensions were used rather than extracts, so this paper is not supportive of use of oat extracts for diagnosis of oat disease. In PMID 7560636, 29 individuals were skin prick tested with oat extracts, 18 gave a positive result. DBPCFC was performed on all 18, but only 5 gave a positive result.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
243_Clin Exp Allergy 25 - 1100.pdf	8581843	Varjonen, E.	1995
242_J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 244 - Food - Plant Source, Okra Abelmoschus esculentus**

**Recommended Scientific Name** Abelmoschus esculentus

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: okra allergy English; Abelmoschus esculentus allergy English

ISI search: Okra allergy; Abelmoschus esculentus

Google: okra allergy; okra allergy adverse; okra allergen; okra allergen adverse; same search results performed for Abelmoschus esculentus; Abelmoschus esculentus

**Nomenclature**

According to ITIS, the current spelling of Abelmoschus esculentus is Abelmoschus esculentus. Common name is okra. Synonym is Hibiscus esculentus. The Abelmoschus genus is found in the Malvaceae family.

**Parent Product**

244 - Food - Plant Source, Okra Abelmoschus esculentus

**Published Data**

PMID 8344229 describes the use of okra extracts for intradermal testing, and the results are positive. Okra extract is also used for nasal challenge, the results of which are also positive. No oral challenge is done, but these individuals were exposed to okra allergens by inhalation of dust in a picking and packing plant.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
244_ Environ Res 62 - 189.pdf	8344229	Ueda, A.	1993

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 245 - Food - Plant Source, Olive, Black**

Recommended Scientific Name      Olea Europaea

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: olive allergy English; black olive allergy

ISI search: olive allergy; olive allergy not pollen:

Google: olive allergy; olive allergy adverse; olive allergen; olive allergen adverse

Nomenclature

A black olive is a green olive that has become fully ripe on a tree. According to ITIS, there is only one species within the Olea genus: Olea Europaea. There are two subspecies of O. europaea: Africana and europaea. The Olea genus is found in the Oleaceae family.

Parent Product

245 - Food - Plant Source, Olive, Black

Published Data

Although there are many papers about allergy to olive tree pollen, only one paper was found about allergy to olives.

PMID 15080844 admits to being the only paper the author is aware of on allergy to olives. Prick-prick tests with olives, not extracts, yielded a positive response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
246_ Allergy 59 - 559.pdf	15080844	Azofra, J.	2004

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 246 - Food - Plant Source, Olive, Green Olea europaea**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: olive allergy English; green olive allergy; Olea europaea allergy; Olea europaea olive allergy; olive allergy not pollen; olive food allergy

ISI search: olive and allergy; olive and allergy not pollen

Google: olive allergy; olive allergy adverse; olive allergen; olive allergen adverse

**Nomenclature**

According to ITIS, the scientific name, Olea europaea, is common and current. There are two subspecies of O. europaea: Africana and europaea. The Olea genus is found in the Oleaceae family.

**Parent Product**

246 - Food - Plant Source, Olive, Green Olea europaea

**Published Data**

Although there are many papers about allergy to olive tree pollen, only one paper was found about allergy to olives. PMID 15080844 admits to being the only paper the author is aware of on allergy to olives. Prick-prick tests with olives, not extracts, yielded a positive response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
246_ Allergy 59 - 559.pdf	15080844	Azofra, J.	2004

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 247 - Food - Plant Source, Onion Allium cepa (or cepa var. cepa)**

**Recommended Scientific Name** Allium cepa

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: onion allergy English; Allium cepa allergy; allium cepa onion allergy

ISI search: onion and allergy

Google: onion allergy; onion allergy adverse; onion allergen; onion allergen adverse; same search results performed for Allium cepa

**Nomenclature**

According to ITIS, the scientific name, Allium cepa, is correct and current. The common name is garden onion. Two varieties of Allium cepa are listed: cepa and viviparum. The Allium genus is found in the Liliaceae family.

The genus Allium includes onion, leek, elephant garlic, chives, and shallots. Yellow, red and white onions are all varieties of Allium cepa. Wikipedia notes that when the term 'onion' is used without a species designation it almost always refers to allium cepa. (<http://en.wikipedia.org/wiki/Onion>)

**Parent Product**

247 - Food - Plant Source, Onion Allium cepa (or cepa var. cepa)

**Published Data**

Two case reports (PMIDs 10753025 and 11270091) were found with individuals having allergic reactions after eating onions. They were both skin prick test positive to onion extracts and onion specific IgE was found in their sera through in vitro analysis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
247_ J Allergy Clin Immunol 108 - 309.pdf	11496255	Asero, R.	2001
203_ allergy 55 - 297.pdf	10753025	Sanchez-Hernandez,	2000
222_ Allergy 57 - 752.pdf	12121198	Pérez-Calderón, R.	2002
247_ Allergol Immunopath 28 - 287.doc	11270091	Arena, A.	2000

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 248 - Food - Plant Source, Onion Allium spp.**

**Recommended Scientific Name** Allium, (species to be specified)

**Manufacturers of this Product**

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: onion allergy English; Allium allergy

Google: onion allergy; onion allergy adverse; onion allergen; onion allergen adverse; same search results performed for Allium

**Nomenclature**

According to ITIS, there are two varieties, one subspecies, and more than one hundred species within the Allium genus. The Allium genus is found in the Liliaceae family.

**Parent Product**

248 - Food - Plant Source, Onion Allium spp.

**Published Data**

PMIDs 12121198 and 10753025 demonstrate that hypersensitivity to onion has been described as a cause of contact dermatitis, rhinoconjunctivitis and asthma induced by handling of onions. However few publications in the literature report allergic reactions due to onion ingestion

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
222_ Allergy 57 - 752.pdf	12121198	Pérez-Calderón, R.	2002
203_ allergy 55 - 297.pdf	10753025	Sanchez-Hernandez,	2000

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIB	Category I
<u>Therapy:</u>	Category II	Category II

**Product: 249 - Food - Plant Source, Orange Citrus sinensis**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: orange allergy English; Citrus sinensis allergy

Google: orange allergy; orange allergy adverse; orange allergen; orange allergen adverse; same search results performed for Citrus sinensis

**Nomenclature**

According to ITIS, the scientific name, Citrus sinensis, is correct and current. Common names are orange and sweet orange. Synonym is Citrus aurantium var. sinensis. The Citrus genus is found in the Rutaceae family.

**Parent Product**

249 - Food - Plant Source, Orange Citrus sinensis

**Published Data**

Panel I references a paper that identifies a patient who anaphylaxed in response to orange juice and later skin tests positive to orange extract.

Two papers (PMIDs 14713927 and 15947476) were found that analyzed several people with allergy to orange. In both papers patients were orally challenged with orange or orange juice. In one of the papers orange extract was used for prick tests and all 6 patients gave a positive response. The other paper used orange pulp for prick-prick tests. Combine that with Panel I's referenced paper that also had a positive response to orange extract, this product is considered effective.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
223_ J Allergy Clin Immunol 113 - 175.pdf	14713927	Ibáñez, M.D.	2004
223_ Int Arch Allergy Immunol 137 - 201.pdf	15947476	Ahrazem, O.	2005

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 250 - Food - Plant Source, Orange, Mandarin, Tangerine**

**Recommended Common Name** Orange, Tangerine

**Recommended Scientific Name** Citrus reticulata

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: orange allergy English

Google: orange allergy; orange allergy adverse; orange allergen; orange allergen adverse; same search results performed for mandarine, tangerine

**Nomenclature**

Orange is Citrus sinensis, tangerine is a hybrid of two different species of Citrus (deliciosa and reticulata) and is a type of mandarine orange. According to ITIS, tangerine is Citrus reticulata, with the synonym of Citrus nobilis. The Citrus genus is found in the Rutaceae family.

**Parent Product**

250 - Food - Plant Source, Orange, Mandarin, Tangerine

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 251 - Food - Plant Source, Oregano Origanum vulgare**

**Recommended Common Name** Oregano

**Recommended Scientific Name** Orignaum vulgare

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: oregano allergy English; Origanum vulgare allergy

ISI search: oregano allergy; Origanum vulgare allergy

Google: oregano allergy; oregano allergy adverse; oregano allergen; oregano allergen adverse; same search results performed for Origanum vulgare

**Nomenclature**

According to ITIS, the scientific name, Orignaum vulgare, is correct and current. The common name is oregano. The Origanum genus is found in the Lamiaceae family.

**Parent Product**

251 - Food - Plant Source, Oregano Origanum vulgare

**Published Data**

One paper PMID 8630713) was found on the usefulness of oregano extract in the diagnosis of allergy to oregano. This paper discusses one individual but no oral challenges were performed.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
195_ cutis 52 - 288.pdf	8299390	Futrell, J.M.	1993
251_ Ann Allergy Asthma Immunol 76 - 416.pdf	8630713	Benito, M.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 252 - Food - Plant Source, Papaya Carica papaya**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: papaya allergy English; Carica papaya allergy

ISI search: papaya allergy

Google: papaya allergy; papaya allergy adverse; papaya allergen; papaya allergen adverse; same search results performed for Carica papaya

**Nomenclature**

According to ITIS, the scientific name, Carica papaya, is correct and current. Common names are papaya and pawpaw. Synonym is listed as Papaya carica. The Carica genus is found in the Caricaceae family.

**Parent Product**

252 - Food - Plant Source, Papaya Carica papaya

**Published Data**

Two papers (PMIDs 15298566, 12866323) were found that looked at the coincidence of fruit allergy and latex allergy. Latex-allergic individuals were tested for a reaction to papaya fruit, in one paper, and papaya fruit extract, in another paper. In the paper that used papaya extracts, three people had a reaction to the papaya extracts, but only reported having an allergic reaction to eating papaya.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
201_ Clin Exp Allergy 34 - 1251.pdf	15298566	Hemmer, W.	2004
252_ Allergy Asthma Proc 24 - 193.pdf	12866323	Isola, S.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 253 - Food - Plant Source, Paprika Capsicum annuum**

**Recommended Common Name** Pepper, Cayenne

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: paprika allergy English; Capsicum annuum allergy

Google: paprika allergy; paprika allergy adverse; paprika allergen; paprika allergen adverse; same search results performed for Capsicum annuum

**Nomenclature**

According to ITIS, the scientific name is Capsicum annuum. The common name is cayenne pepper. The scientific name is correct and current. The common name needs to be updated. There are two varieties of Capsicum annuum listed: annuum and glabrusculum. The Capsicum genus is found in the Solanaceae family.

Based on AllAllergy, paprika is a powder made by finely grinding dried ripe red pepper pods (capsicum annuum). (<http://www.allallergy.net/fapaidfind.cfm?cdeoc=137>).

**Parent Product**

253 - Food - Plant Source, Paprika Capsicum annuum

**Published Data**

There are a few papers on tests with paprika extracts. One paper (PMID 7552932) shows that 8 of 12 people that respond to native paprika also respond to paprika extract, but they do not tell us if these people were actually allergic to paprika. Another paper (PMID 9652302) shows that 3 of 11 people allergic to pepper and/or paprika had reactions to paprika extract. And a third paper (PMID 2719178) shows that 5% w/v extract of paprika elicits a weaker response than does native paprika. This paper also reports that SPTs and RAST results for IgE are consistent.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
253_ Environ Res 47 - 95.pdf	3168968	Zuskin, E.	1988
253_ Ann Allergy Asthma and Immunol 75 - 280.pdf	7552932	Niinimäki, A	1995
253_ Allergy 53 - 36.pdf	9491227	Leitner, A.	1998
266_ Int Arch Allergy Immunol 116 - 103.pdf	9652302	Jensen-Jarolim, E.	1998
263_ Allergy 44-60.pdf	2719178	Niinimaki, A.	1989

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 254 - Food - Plant Source, Paprika Capsicum tetragonum**

**Recommended Common Name** Aji

**Recommended Scientific Name** Capsicum chinense

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: paprika allergy English; Capsicum tetragonum allergy

ISI search: tetragonum and allergy

Google: paprika allergy; paprika allergy adverse; paprika allergen; paprika allergen adverse; same search results performed for Capsicum tetragonum

**Nomenclature**

ITIS and PLANTS database do not mention tetragonum at all under capsicum. The only tetragonum is Cosmarium tetragonum, a green algae. Some non-scientific sites do refer to Capsicum tetragonum as a synonym for Capsicum chinense.

(<http://www.g6csy.net/chile/var-chi.html>). According to ITIS, the common name of Capsicum chinense is aji. The Capsicum genus is found in the Solanaceae family.

**Parent Product**

254 - Food - Plant Source, Paprika Capsicum tetragonum

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 255 - Food - Plant Source, Parsley Petroselinum crispum**

**Recommended Common Name** Parsley

**Recommended Scientific Name** Petroselinum crispum

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PupMed: parsley allergy English; Petroselinum crispum allergy

ISI search: parsley allergy; Petroselinum crispum allergy

Google: parsley allergy

**Nomenclature**

According to ITIS, the scientific name, Petroselinum crispum, is correct and current. The common name is parsley. Synonyms are listed as: Apium petroselinum, Carum petroselinum, Petroselinum hortense, Petroselinum sativum, and Petroselinum vulgare. The Petroselinum genus is found in the Apiaceae family.

**Parent Product**

255 - Food - Plant Source, Parsley Petroselinum crispum

**Published Data**

Only one paper (PMID 12027075) addressed potential allergy to parsley. The patient was skin prick tested to fresh extracts of parsley and several spices. The patient had positive skin response to the spices, but not to parsley. The patient did not have parsley specific IgE. From this paper we can conclude that the patient either did not have a parsley allergy, or the reagents are too weak to detect it. No parsley challenges were performed.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
198_ Ann Allergy Asthma Immunol 88 - 518.pdf	12027075	García-González, J.J.	2002

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 256 - Food - Plant Source, Parsnip *Pastinaca sativa***

**Recommended Common Name** Parsnip, Wild

**Recommended Scientific Name** *Pastinaca sativa*

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: parsnip allergy (limited English); *Pastinaca sativa* allergy

ISI searches: parsnip allergy

Google: parsnip allergy; parsnip allergy adverse; parsnip allergen; parsnip allergen adverse; same search results performed for *Pastinaca sativa*

**Nomenclature**

According to ITIS, the scientific name, *Pastinaca sativa*, is correct and current. The common name is wild parsnip. Synonym is *Pastinaca sativa* var. *pratensis*.

**Parent Product**

256 - Food - Plant Source, Parsnip *Pastinaca sativa*

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 257 - Food - Plant Source, Pea, Blackeye Vigna sinensis**

**Recommended Scientific Name** Vigna unguiculata

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: pea allergy English; Vigna sinensis allergy; Blackeye pea allergy; Vigna unguiculata allergy; cowpea allergy  
ISI search: pea and allergy; Vigna sinensis allergy; blackeye pea allergy; black eye pea allergy; black-eye allergy; Vigna unguiculata allergy

Google: black eye pea allergy; Vigna unguiculata; Vigna sinensis allergy

**Nomenclature**

According to ITIS, the current name of Vigna sinensis is Vigna unguiculata. The common name is blackeyed pea. The common name is correct and current. The scientific name needs to be updated. Synonym is Vigna sinensis. Four subspecies of Vigna unguiculata are cylindrical, dekindtiana, sesquipedalis, and unguiculata. The Vigna genus is found in the Fabaceae family.

**Parent Product**

257 - Food - Plant Source, Pea, Blackeye Vigna sinensis

**Published Data**

One paper (PMID 12546052) was found that looked at allergy to V. sinensis. In this paper, extracts of V. sinensis were prepared, the extracts were separated by sephadex chromatography, and patients were prick tested with each of four fractions. All the patients responded to the albumin-containing fraction.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
257_ Asn Pac J of Allergy and Immunol 18 - 9.pdf	12546052	Rao, T.R.	2000

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 258 - Food - Plant Source, Pea, Green or English Pisum sativum**

**Recommended Common Name** Pea, Garden

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Pisum sativum allergy; Pea allergy

Google: pea allergy; pea allergy adverse; pea allergen; pea allergen adverse; same search results performed for Pisum sativum

**Nomenclature**

According to ITIS, the scientific name is Pisum sativum. The common name is garden pea. The scientific name is correct and current. The common name needs to be updated. Synonyms are: Pisum arvense, P. humile, P. sativum ssp. Arvense, P. sativum var. arvense, P. sativum var. humile, and P. sativum var. macrocarpon. The Pisum genus is found in the Fabaceae family.

**Parent Product**

258 - Food - Plant Source, Pea, Green or English Pisum sativum

**Published Data**

In paper (PMID 12589366), a single patient that had suffered from severe allergy to pea reacted positively to a skin prick test with pea extract and had pea-specific IgE as determined by CAP analysis.

In paper (PMID 15544600) eighteen subjects were selected based on clinical history of pea (Pisum sativum) allergy confirmed by positive open food challenge to legume, high specific serum IgE levels (>3.9kU/L) to pea, and positive skin prick test responses to pea.

Panel I (pg 3246) also refers to a paper from 1975 by Malley, A. et al. The paper describes direct skin tests were performed on 10 pea-allergic people with pea extract and the albumin-containing fraction of the pea extract. In addition, passive transfer test were performed with the sera of several individuals and found to be positive.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
258_Clin Exp Allergy 34 - 1747.pdf	15544600	Sanchez-Monge, R.	2004
258_J Allergy Clin Immunol 111 - 420.pdf	12589366	Wensing, M.	2003

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 259 - Food - Plant Source, Peach Prunus persica****Recommended Common Name** Peach**Recommended Scientific Name** Prunus persica**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: peach allergy English; Prunus persica allergy

Google: peach allergy; peach allergy adverse; peach allergen; peach allergen adverse; same search results performed for Prunus persica

**Nomenclature**

According to ITIS, the scientific name, Prunus persica, is correct and current. The common name is peach. Synonyms are Amygdalus persica and Persica vulgaris. Two varieties of P. persica are listed: nucipersica and persica. The Prunus genus is found in the Rosaceae family.

**Parent Product**

259 - Food - Plant Source, Peach Prunus persica

**Published Data**

Panel I sites two papers (from the 1940's) that demonstrated positive skin test reactions to fresh peach extract. (Refs 50, 15, page 3246).

In PMID 15612787, ten people have positive SPT to peach. However, fresh peach was used for the SPT, not peach extracts.

In PMID 15947476, twenty-seven subjects had positive reaction to peach skin and / or pulp.

In PMID 10887323, subjects were skin tested using the prick-prick method with fresh fruit provided by the subject.

Peach leaf extract was positive in one subject in PMID 14987310.

In PMID 12269944, sixty-five patients were skin prick tested with fresh peach.

Seven subjects had positive reactions to commercial extracts of peach in PMID 10582717.

In PMID 21337912, SPT with frozen peach, fresh peach, and commercial peach extracts were compared.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
223_ Int Arch Allergy Immunol 137 - 201.pdf	15947476	Ahrazem, O.	2005
259_ J Agric Food Chem 52 - 7997.pdf	15612787	Brenna, O.V.	2004
129_ J Allergy Clin Immunol 106-183.pdf	10887323	Rodriguez, J.	2000
259_ Clin Exp Allergy 34-291.pdf	14987310	Garcia, B.E.	2004
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
274_ Ann Allergy Asthma Immunol 83 - 377.pdf	10582717	Asero, R.	1999
259_ Asian Pac J Allergy Immunol 28 - 275.pdf	21337912	Garriga T	2010

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 260 - Food - Plant Source, Peanut Arachis hypogaea**

**Recommended Common Name** Peanut

**Recommended Scientific Name** Arachis hypogaea

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: peanut allergy English; Arachis hypogaea allergy (limit English); peanut allergy controlled study (limit English)

Google: peanut allergy; peanut allergy adverse; peanut allergen; peanut allergen adverse; same search results performed for Arachis hypogaea

**Nomenclature**

According to ITIS, the scientific name, Arachis hypogaea, is correct and current. The common name is peanut. The Arachis genus is found in the Fabaceae family.

**Parent Product**

260 - Food - Plant Source, Peanut Arachis hypogaea

**Published Data**

Peanut allergy is very common. Peanut and tree nut allergies affect about 1% of the population, or about 3 million Americans. I have read over three reviews and it is clear that peanut extract is routinely used for diagnosis of peanut allergy.

Skin prick tests combined with IgE assays can be 95-100% predictive of peanut allergy.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
260_ Allergy and Asthma Proc 24 - 259.pdf	12974192	Lee, C.W.	2003
260_ Ann Allergy Asthma Immunol 88 - 350.pdf	11991552	Sicherer, S.H.	2002
260_ CMAJ 168 - 1279.pdf	12743075	Al-Muhsen, S.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 261 - Food - Plant Source, Pear *Pyrus communis***

**Recommended Common Name** Pear

**Recommended Scientific Name** *Pyrus communis*

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: pear allergy English; *Pyrus communis* allergy

ISI search: pear allergy

Google: pear allergy

**Nomenclature**

There are about 30 species of pear, all of which are of the species *Pyrus*. Several of these are edible (<http://en.wikipedia.org/wiki/Pear>). The species name is required before pear related data can be used to support efficacy of diagnosis.

According to ITIS, the scientific name, *Pyrus communis*, is correct and current. The common names are common pear and pear. The *Pyrus* genus is found Rosaceae family.

**Parent Product**

261 - Food - Plant Source, Pear *Pyrus communis*

**Published Data**

In both papers (PMIDs 12173271 and 10887323) listed below, fresh fruits were used for skin prick tests.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
259_ Allergy 57 s - 53.pdf	12173271	Florida Lopez, J.F.	2002
129_ J Allergy Clin immunol 106-183.pdf	10887323	Rodriguez, J.	2000

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 262 - Food - Plant Source, Pecan *Carya illinoensis***

**Recommended Common Name** Pecan

**Recommended Scientific Name** *Carya illinoensis*

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: pecan allergy English; *Carya illinoensis* allergy; *Carya illinoensis* allergy

Google: pecan allergy; pecan allergy adverse; pecan allergen; pecan allergen adverse; same search results performed for *Carya illinoensis*

**Nomenclature**

According to ITIS, the correct spelling of *Carya illinoensis* is *Carya illinoensis*. The common name is pecan. Synonyms are *Carya oliviformis*, *Carya pecan*, and *Hicoria pecan*. The *Carya* genus is found in the Juglandaceae family. *Carya illinoensis* is the only pecan plant according to the national plant database, and so all of the pecan articles should be valid.

<http://www.plants.usda.gov/java/nameSearch>

**Parent Product**

262 - Food - Plant Source, Pecan *Carya illinoensis*

**Published Data**

One paper in which pecan extract were used to identify pecan allergy. A patient described allergic responses to pecan, almond, and walnut. Skin prick tests with all three extracts gave positive results.

In a second paper, cross-reactivity between different nut types are described. ELISA inhibition studies detected strong cross-reactivity between walnut and pecan. Walnut (product 319) is a class I extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
124_ Ann Allergy Asthma Immunol 92-281.pdf	14989401	Nguyen, S.A.	2004
273_ Ann Allergy Asthma Immunol 95 -45.pdf	16095141	Goetz, D.W.	2005

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 263 - Food - Plant Source, Pepper, Black Piper nigrum**

**Recommended Common Name** Pepper, Black

**Recommended Scientific Name** Piper nigrum

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: pepper allergy English; Piper nigrum allergy

Google: black-white pepper allergy; black-white pepper allergy adverse; black-white pepper allergen; black-white pepper allergen adverse; same search results performed for Piper nigrum

**Nomenclature**

According to ITIS, Piper nigrum is the current scientific name. The common name is black pepper. The Piper genus is found in the Piperaceae family.

Black pepper is produced from the still-green unripe berries of the pepper plant. The berries are cooked briefly in hot water, both to clean them and to prepare them for drying. The heat ruptures cell walls in the fruit, speeding the work of browning enzymes during drying. The berries are dried in the sun or by machine for several days, during which the fruit around the seed shrinks and darkens into a thin, wrinkled black layer around the seed. Once dried, the fruits are called black peppercorns. White pepper consists of the seed only, with the fruit removed. This is usually accomplished by allowing fully ripe berries to soak in water for about a week, during which time the flesh of the fruit softens and decomposes. Rubbing then removes what remains of the fruit, and the naked seed is dried. There are also Green peppercorns. Green peppercorns are also Piper nigrum. They are treated in a way to preserve their green color such as freeze-drying or treatment with sulfur dioxide.  
([http://en.wikipedia.org/wiki/Black\\_pepper](http://en.wikipedia.org/wiki/Black_pepper) and [http://en.wikipedia.org/wiki/Piper\\_nigrum](http://en.wikipedia.org/wiki/Piper_nigrum))

**Parent Product**

263 - Food - Plant Source, Pepper, Black Piper nigrum

**Published Data**

Two papers that addressed black pepper allergy. PMID 14635474: A woman developed allergic symptoms to pepper and had positive skin prick tests to both black and white pepper extracts. The patient had positive conjunctival challenge tests results to white pepper extract; where as, five atopic patients had negative conjunctival challenge test results. PMID 9491227: The second paper shows in vitro cross-reactivity between pepper and birch and mugwort pollens. However, in this paper a combination of green and black peppercorn extracts were used.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
263_ J Investig Allergol Immunol 13 -213.pdf	14635474	Arias Irigoyen, J.	2003
253_ Allergy 53 - 36.pdf	9491227	Leitner, A.	1998

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 264 - Food - Plant Source, Pepper, Black-White Piper nigrum**

**Recommended Common Name** Pepper, Black

**Recommended Scientific Name** Piper nigrum

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: pepper allergy English; Piper nigrum allergy

Google: black-white pepper allergy; black-white pepper allergy adverse; black-white pepper allergen; black-white pepper allergen adverse; same search results performed for Piper nigrum

**Nomenclature**

According to ITIS, the scientific name, Piper nigrum is correct and current. The common name is black pepper. The Piper genus is found in the Piperaceae family.

The difference between black pepper and white pepper are a difference of when the berry is picked and how it is processed. Black pepper is from unripe berries, and the exterior is blackened through oxidation. White pepper is from mature berries and the exterior is removed during the drying process.

Reference: [http://www.kalsec.com/products/bandwpepper\\_over.cfm](http://www.kalsec.com/products/bandwpepper_over.cfm)

**Parent Product**

264 - Food - Plant Source, Pepper, Black-White Piper nigrum

**Published Data**

Four papers (PMIDs 1957997, 2411778, 2719178, 14635474) that tested for white pepper allergy. Two papers used powdered spices for scratch tests or prick test. Two papers looked at white pepper extracts. One of these compared skin reactions between powdered spices and spice extracts. In each case the powdered spices gave a stronger reaction than the extracts. When IgE levels were compared to the reaction levels, it was found that white pepper reactivity did not correlate well with white pepper specific IgE levels. In another paper a pepper allergic individual was skin prick tested with black and white pepper extracts. The individual responded to both. Conjunctival challenges were also performed with dilutions of the white pepper extract. The patient responded to a 1:100 dilution, controls did not respond to a 1:1 dilution.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
195_ Allergy 46 -475.pdf	1957997	Stager, J.	1991
204_ J Allergy Clin Immunol 76 - 477.pdf	2411778	van Toorenenbergen,	1985
263_ Allergy 44-60.pdf	2719178	Niinimaki, A.	1989
263_ J Investig Allergol Immunol 13 -213.pdf	14635474	Arias Irigoyen, J.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product:** 265 - Food - Plant Source, Pepper, Green (bell), Piper sp.

**Recommended Scientific Name** Piper, (species to be specified)

**Manufacturers of this Product**

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

**Search Strategy**

PubMed: pepper allergy English; green pepper allergy; green pepper bell allergy

Google: bell pepper allergy; bell pepper allergy adverse; bell pepper allergen; bell pepper allergen adverse; same search results performed for Piper

**Nomenclature**

According to ITIS, there are thirty species within the Piper genus. The Piper genus is found in the Piperaceae family.

**Parent Product**

265 - Food - Plant Source, Pepper, Green (bell), Piper sp.

**Published Data**

No supportive data were identified.

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 266 - Food - Plant Source, Pepper, Green Capsicum annuum var.annuum**

**Recommended Common Name** Pepper, Cayenne

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: pepper allergy English; green pepper allergy; capsicum allergy; Capsicum annuum allergy

ISI search: capsicum allergy

Google: green pepper allergy; green pepper allergy adverse; green pepper allergen; green pepper allergen adverse; same search results performed for Capsicum annuum

**Nomenclature**

According to ITIS, the scientific name is Capsicum annuum var. annuum. The common name is cayenne pepper. The scientific name is correct and current. The common name needs to be updated. Synonyms are Capsicum annuum var. frutescens and Capsicum frutescens. The Capsicum genus is found in the Solanaceae family.

**Parent Product**

266 - Food - Plant Source, Pepper, Green Capsicum annuum var.annuum

**Published Data**

There is no data showing fresh (not powdered) C. annuum extracts used for diagnosis of pepper allergy. C. annuum is frequently cited as being in the latex-fruit allergy syndrome. This was first noted in an individual that was allergic to latex, and became allergic to peppers (contact dermatitis).

A second paper looked at 74 children with atopy. Twelve of these children had latex specific IgE. When compared with 20 of the children that did not have latex-specific IgE, there was an increased number of kids who had IgE to pepper, tomato, potato, and avocado. Inhibition studies showed that preincubation of patient sera with sweet pepper extract could inhibit IgE binding of latex extract in 3 of 9 patients. In a third paper, preincubation of patient sera with bell pepper extract resulted in a decreased binding of IgE to latex extracts in 2 out of 3 patients.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
266_ Int Arch Allergy Immunol 116 - 103.pdf	9652302	Jensen-Jarolim, E.	1998
266_ Int Arch Allergy Immunol 131-245.pdf	12915767	Willeiroider, M.	2003
266_ Pediatr Allergy Immunol 10-160.pdf	10565556	Tucke, J.	1999
266_ Clin Exp Allergy 34 - 1739.pdf	15544599	Wagner, S.	2004
266_ Contact Dermatitis 37 - 36.pdf	9255486	Gallo, R.	1997

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 267 - Food - Plant Source, Pepper, Green Capsicum frutescens var. grossum**

**Recommended Scientific Name** Capsicum annuum

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: pepper allergy English; green pepper allergy; Capsicum frutescens allergy

Google: green pepper allergy; green pepper allergy adverse; green pepper allergen; green pepper allergen adverse; same search results performed for Capsicum frutescens

**Nomenclature**

According to ITIS, Capsicum frutescens is no longer current. There are two current synonyms: Capsicum annuum var. annuum and Capsicum annuum var. glabriusculum. Since the variety was not listed, additional information is needed. The Capsicum genus is found in the Solanaceae family.

[http://www.hort.purdue.edu/newcrop/med-aro/factsheets/CAPSICUM\\_PEPPER.html](http://www.hort.purdue.edu/newcrop/med-aro/factsheets/CAPSICUM_PEPPER.html)

indicates that C. annuum and C. frustens are different species, but PLANTS database says that Capsicum frutescens is a synonym for capsicum annuum: <http://www.plants.usda.gov/java/profile?symbol=CAANA4>.

**Parent Product**

267 - Food - Plant Source, Pepper, Green Capsicum frutescens var. grossum

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 268 - Food - Plant Source, Pepper, Red or Cayenne Capsicum annuum**

**Recommended Common Name** Pepper, Cayenne

**Recommended Scientific Name** Capsicum annuum

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: pepper allergy English; red pepper allergy; Capsicum annuum allergy; cayenne allergy cayenne allergy

Google: cayenne pepper allergy; cayenne pepper allergy adverse; cayenne pepper allergen; cayenne pepper allergen adverse; same search results performed for Capsicum annuum

**Nomenclature**

According to ITIS, the correct spelling of Capsicum annuum is Capsicum annuum. The common name is cayenne pepper. Two varieties are listed: C. annuum var. annuum and glabriusculum. The Capsicum genus is found in the Solanaceae family.

**Parent Product**

171 - Food - Plant Source, Cayenne Pepper Capsicum annuum

**Related Products**

268 - Food - Plant Source, Pepper, Red or Cayenne Capsicum annuum

**Published Data**

PMID 7552932: One paper describes a study that set out to compare reactivity of prick tests with native spices to skin prick tests with spice extracts. Five of 10 people that responded strongly to native cayenne also responded to cayenne extract.

PMID 2719178: In another paper IgE mediated spice allergy was investigated using skin prick tests with spice extracts. Twenty of 41 people tested with cayenne extract had a positive response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
253_ Ann Allergy Asthma and Immunol 75 - 280.pdf	7552932	Niinimäki, A	1995
171_ Allergy 44-60.pdf	2719178	Niinimaki, A.	1989

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product:** 269 - Food - Plant Source, Pepper, Red or Cayenne *Capsicum frutescens* var. *longum*

**Recommended Common Name** Pepper, Cayenne

**Recommended Scientific Name** *Capsicum annuum*

**Manufacturers of this Product**

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: pepper allergy English; red pepper allergy; Cayenne allergy; *Capsicum frutescens* allergy

Google: green pepper allergy; green pepper allergy adverse; green pepper allergen; green pepper allergen adverse; same search results performed for *Capsicum frutescens longum*

**Nomenclature**

The PLANTS database says that *Capsicum frutescens* is a synonym for *capsicum annuum*. ITIS states that *Capsicum frutescens* is no longer an accepted synonym for *Capsicum annuum*. Common name is cayenne pepper. The scientific and common names need to be updated. The *Capsicum* genus is found in the Solanaceae family.

**Parent Product**

269 - Food - Plant Source, Pepper, Red or Cayenne *Capsicum frutescens* var. *longum*

**Published Data**

There are no known published data.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 270 - Food - Plant Source, Peppermint Mentha piperita**

**Recommended Common Name** Peppermint

**Recommended Scientific Name** Mentha X piperita

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: peppermint allergy English; Mentha piperita allergy

ISI search: peppermint allergy; Mentha piperita allergy

Google: peppermint allergy; peppermint allergy adverse; peppermint allergen; peppermint allergen adverse; same search results performed for Mentha piperita

**Nomenclature**

According to ITIS, the current spelling of Mentha piperita is Mentha X piperita. The common name is peppermint. Synonyms are listed as Mentha aquatica var crispa, Mentha crispa, and Mentha dumetorum. The Mentha genus is found in the Lamiaceae family.

**Parent Product**

270 - Food - Plant Source, Peppermint Mentha piperita

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 271 - Food - Plant Source, Pimento, Capsicum annuum**

**Recommended Common Name** Pepper, Cayenne

**Recommended Scientific Name** Capsicum annuum

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: pimento allergy English; pimiento Capsicum annuum allergy English

Google: pimento allergy; pimento allergy adverse; pimento allergen; pimento allergen adverse; same search results performed for Capsicum annuum

**Nomenclature**

According to ITIS, the scientific name Capsicum annuum is current. The common name is cayenne pepper. Two varieties of Capsicum annuum are listed: annuum and glabriusculum. The Capsicum genus is found in the Solanaceae family. According to Wikipedia, pimento is sometimes a synonym for allspice, Pimenta officinalis. According to <http://edis.ifas.ufl.edu/MV114>, Pepper, pimienta is also known as Capsicum annuum.

**Parent Product**

271 - Food - Plant Source, Pimento, Capsicum annuum

**Published Data**

The pimento searches all lead to general capsicum papers, both paprika and bell peppers. No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 272 - Food - Plant Source, Pineapple Ananas comosus**

**Recommended Common Name** Pineapple

**Recommended Scientific Name** Ananas comosus

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: pineapple allergy English; Ananas comosus allergy

ISI search: pineapple allergy

Google: pineapple allergy

**Nomenclature**

According to ITIS, the scientific name, Ananas comosus is correct and current. The common name is pineapple. Synonyms are Ananas ananas, Bromelia ananas, and Bromelia comosa. The Ananas genus is in the Bromeliaceae family.

**Parent Product**

272 - Food - Plant Source, Pineapple Ananas comosus

**Published Data**

In PMID 12269944, patients with latex allergy - many of whom also had fruit allergy - were tested with saline extracts of multiple fruits, including pineapple. Specific IgE was also tested by RAST. Correlation of skin tests and specific IgE with symptoms was poor, and specific data were not included.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 273 - Food - Plant Source, Pistachio Nut Pistacia vera**

**Manufacturers of this Product**

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: pistachio allergy (limit English); pistachio nut allergy; Pistacia vera allergy

Google: pistachio allergy; pistachio allergy adverse; pistachio allergen; pistachio allergen adverse; same search results performed for Pistacia vera

**Nomenclature**

According to ITIS, the scientific name, Pistacia vera, is correct and current. The common name is pistachio nut. The Pistacia genus is found in the Anacardiaceae family.

**Parent Product**

273 - Food - Plant Source, Pistachio Nut Pistacia vera

**Published Data**

PMID 10779292 uses pistachio nut extract to diagnose pistachio nut allergy. Three people had allergic responses after eating pistachio nuts. Each had strong reactions after skin prick testing with pistachio nut extracts and other nut extracts, but they did not respond to pollen extracts. In PMID 12269944, one patient with a positive ST to pistachio extract had a confirmatory double blind food challenge. PMID 16095141 reports moderate (50-75%) to strong (75-100%) cross-reactivity by ELISA inhibition between pistachio and almond, cashew, and Brazil nut.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
273_ Ann Allergy Asthma Immunol 95 -45.pdf	16095141	Goetz, D.W.	2005
273_ Allergy 57 - 946.pdf	12269944	Crespo, J.F.	2002
273_ Clin and Exp Allergy 23 - 996.pdf	10779292	Parra, F.M.	1993

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 274 - Food - Plant Source, Plum Prunus domestica**

**Recommended Common Name** Plum, European

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: plum allergy (limit English); Prunus domestica allergy

ISI search: plum and allergy

Google: plum allergy; plum allergy adverse; plum allergen; plum allergen adverse; same search results performed for Prunus domestica

**Nomenclature**

According to ITIS, the scientific name, Prunus domestica, is correct and current. The common name is European plum. Two varieties of Prunus domestica are listed: domestica and insititia. The Prunus genus is found in the Rosaceae family.

**Parent Product**

274 - Food - Plant Source, Plum Prunus domestica

**Published Data**

PMIDs 10887323, 12269944, and 10582717 used fresh fruits for skin prick tests and are not, in themselves, supportive of extract use. PMID 7930303 looked at a variety of fruit allergic patients, including the plum allergic. These patients were prick-prick tested with fresh plum to verify plum allergy, then they were tested with commercial plum extracts. Five of 28 had positive reactions to plum extracts. PMID 12269935 screened Rosaceae sensitive patients using skin prick tests of plum extract. Twenty people gave positive responses.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
129_ J Allergy Clin Immunol 106-183.pdf	10887323	Rodriguez, J.	2000
124_ Allergy 57-946.pdf	12269944	Crespo, J.F.	2002
129_ J Allergy Clin Immunol 94-699.pdf	7930303	Pastorello, E.A.	1994
274_ Ann Allergy Asthma Immunol 83 - 377.pdf	10582717	Asero, R.	1999
274_ Allergy 57 - 900.pdf	12269935	Asero, R.	2002

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 275 - Food - Plant Source, Poppy Seed Papaver somniferum**

**Recommended Common Name** Poppy, Opium

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: poppy seed allergy; Papaver somniferum allergy

Google: poppy seed allergy; poppy seed allergy adverse; poppy seed allergen; poppy seed allergen adverse; same search results performed for Papaver somniferum

**Nomenclature**

According to ITIS, the scientific name, Papaver somniferum, is correct and current. The common name is opium poppy. Synonym is listed as Papaver somniferum var. setigerum. The Papaver genus is found in the Papaveraceae family.

**Parent Product**

275 - Food - Plant Source, Poppy Seed Papaver somniferum

**Published Data**

Two papers (PMIDs 16601355 and 8328666) were found that described case reports of individuals with allergy to poppy seed. In both instances, skin prick tests with poppy seed extract gave positive results.

PMID 16601355 also described an oral challenge with whole or ground poppy seed. There was no reaction to 10 g whole poppy seed, but 1 gram of ground poppy seed elicited a strong allergic response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
293_ Int Arch Allergy Immunol 140 -170.pdf	16601355	Oppel, T.	2006
275_ Allergy 48 - 295.pdf	8328666	Kalyoncu, A.F.	1993

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 276 - Food - Plant Source, Potato, Sweet Ipomoea batatas**

**Recommended Common Name** Potato, Sweet

**Recommended Scientific Name** Ipomoea batatas

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: potato allergy; Potato Sweet allergy; Ipomoea batatas allergy

ISI search: Ipomoea allergy; sweet potato allergy

Google: Ipomoea allergy; sweet potato allergy

**Nomenclature**

According to ITIS, the scientific name, Ipomoea batatas, is correct and current. The common name is sweet potato. Synonyms are Convolvulus batatas, Convolvulus tiliaceus, Ipomoea fastigiata, Ipomoea tiliacea, and Ipomoea triloba. The Ipomoea genus is found in the Convolvulaceae family.

**Parent Product**

276 - Food - Plant Source, Potato, Sweet Ipomoea batatas

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 277 - Food - Plant Source, Potato, White Solanum tuberosum**

**Recommended Common Name** Potato, Irish

**Recommended Scientific Name** Solanum tuberosum

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Potato allergy; white Potato allergy; Solanum tuberosum allergy

Google: white potato allergy; white potato allergy adverse; white potato allergen; white potato allergen adverse; same search results performed for Solanum tuberosum

**Nomenclature**

According to ITIS, the scientific name, Solanum tuberosum, is correct and current. The common name is Irish potato. The Solanum genus is found in the Solanaceae family.

**Parent Product**

277 - Food - Plant Source, Potato, White Solanum tuberosum

**Published Data**

PMIDs 2692473, 3782675 and 12209106 report a total of eleven patients that suffered from white potato allergy. All eleven gave a positive reaction to skin prick tests with white potato extracts. Challenge tests were performed on seven of the patients, five had immediate reactions, and two had delayed reactions.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
277_ Allergy 44 - 532.pdf	2692473	Quirce, S.	1989
277_ J Allergy Clin Immunol 78 - 1110.pdf	3782675	Castells, M.C.	1986
277_ J Allergy Clin Immunol 110 - 524.pdf	12209106	De Swert, L.F.	2002

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 278 - Food - Plant Source, Prune**

**Recommended Common Name** Prune, Garden

**Recommended Scientific Name** Prunus domestica ssp. Domestica

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: prune allergy English

ISI search: prune allergy English

Google: prune; prunus prunus

**Nomenclature**

According to ITIS, the scientific name of the garden plum is Prunus domestica ssp. Domestica. The Prunus genus is found in the Rosaceae family.

According to Wikipedia (<http://en.wikipedia.org/wiki/Plum>) prunes are dried plums, therefore a 'fresh' prune is a plum. Based on this information, this product is considered "dried plum".

**Parent Product**

278 - Food - Plant Source, Prune

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIB	none
<b><u>Therapy:</u></b>	Category IIIB	none

**Product: 279 - Food - Plant Source, Pumpkin Cucurbita pepo**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: pumpkin allergy English; Cucurbita pepo allergy

ISI search: pumpkin and allergy

Google: pumpkin allergy; pumpkin allergy adverse; pumpkin allergen; pumpkin allergen adverse; same search results performed for Cucurbita pepo

**Nomenclature**

According to ITIS, the scientific name, Cucurbita pepo, is correct and current. Common names are field pumpkin and vegetable marrow. There are five varieties of Cucurbita pepo listed: melopepo, ovifera, ozarkana, pepo, and texana. The Cucurbita genus is found in the Cucurbitaceae family.

**Parent Product**

279 - Food - Plant Source, Pumpkin Cucurbita pepo

**Published Data**

PMID 10932088 describes a single case report of pumpkin allergy. This allergy was diagnosed by skin testing using fresh pumpkin, not an extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
279_J Allergy Clin Immunol 106-402.pdf	10932088	Figueredo, E.	2000

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 280 - Food - Plant Source, Quince Cydonia oblonga**

**Manufacturers of this Product**

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Quince allergy English; Cydonia allergy; Cydonia oblonga allergy; Quince and Cydonia allergy

ISI search: quince allergy

Google: quince allergy; quince allergy adverse; quince allergen; quince allergen adverse; same search results performed for Cydonia oblonga

**Nomenclature**

According to ITIS, the scientific name, Cydonia oblonga, is correct and current. The common name is quince. Synonyms are listed as Cydonia vulgaris and Pyrus cydonia. The Cydonia genus is found in the Rosaceae family.

**Parent Product**

280 - Food - Plant Source, Quince Cydonia oblonga

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 281 - Food - Plant Source, Radish Raphanus sativus**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: radish allergy English; Raphanus sativus allergy

ISI search: radish allergy; Raphanus sativus allergy; radish and allergy

Google: radish allergy; radish allergy adverse; radish allergen; radish allergen adverse; same search results performed for Raphanus sativus

**Nomenclature**

According to ITIS, the scientific name, Raphanus sativus, is correct and current. Common names are cultivated radish, garden radish, radish, and wild radish. Synonym is Raphanus raphanistrum var. sativus. The Raphanus genus is found in the Brassicaceae family.

**Parent Product**

281 - Food - Plant Source, Radish Raphanus sativus

**Published Data**

In PMID 20148802, a single patient with an allergic reaction to a food supplement containing Raphanus niger had a positive skin test response to a Raphanus sativus allergen extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
281_ Allergy-Feb10-2010.pdf	20148802		0

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 282 - Food - Plant Source, Raspberry Red Rubus idaeus**

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: raspberry allergy English; Rubus idaeus allergy

ISI search: raspberry and allergy; raspberry allergy

Google: raspberry and allergy

**Nomenclature**

According to ITIS, the scientific name, Rubus idaeus, is correct and current. Common names are American red raspberry, common red raspberry, and western red raspberry. Two subspecies of R. idaeus is listed: idaeus and strigosus. The Rubus genus is found in the Rosaceae family.

**Parent Product**

282 - Food - Plant Source, Raspberry Red Rubus idaeus

**Published Data**

No evidence was found to support the use of raspberry extract for diagnosis. In PMID 12839326, a single patient with occupational asthma was skin test positive to freeze-dried raspberry powder reconstituted in saline.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
282_ Ann Allergy Asthma Immunol 90 - 660.pdf	12839326	Sherson, D.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 283 - Food - Plant Source, Raspberry Rubus spp**

Recommended Scientific Name Rubus, (species to be specified)

Manufacturers of this Product

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Search Strategy

PubMed: raspberry allergy English; Rubus allergy

Google: raspberry allergy; raspberry allergy adverse; raspberry allergen; raspberry allergen adverse; same search results performed for Rubus

Nomenclature

According to ITIS, there are 9 varieties and over 200 species of Rubus are listed. The Rubus genus is found in the Rosaceae family.

Parent Product

283 - Food - Plant Source, Raspberry Rubus spp

Published Data

No evidence was found to support the use of raspberry extract for diagnosis. In PMID 12839326, a single patient with occupational asthma was skin test positive to freeze-dried raspberry powder reconstituted in saline.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
282_ Ann Allergy Asthma Immunol 90 - 660.pdf	12839326	Sherson, D.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 284 - Food - Plant Source, Raspberry, Black Rubus occidentalis**

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: raspberry allergy English; Rubus occidentalis allergy; Rubus allergy

ISI search: rubus allergy; raspberry allergy

Google: raspberry allergy; raspberry allergy adverse; raspberry allergen; raspberry allergen adverse; same search results performed for Rubus occidentalis

**Nomenclature**

According to ITIS, the scientific name, Rubus occidentalis, is correct and current. The common name is black raspberry. Synonym is Rubus occidentalis var. pallidus. The Rubus genus is found in the Rosaceae family.

**Parent Product**

284 - Food - Plant Source, Raspberry, Black Rubus occidentalis

**Published Data**

In PMID 12839326, a single patient with occupational asthma was skin test positive to freeze-dried raspberry powder reconstituted in saline.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
282_ Ann Allergy Asthma Immunol 90 - 660.pdf	12839326	Sherson, D.	2003

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 285 - Food - Plant Source, Rhubarb Bheum rhaponticum**

**Recommended Scientific Name** Rheum rhabarbarum

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: Rhubarb allergy; rheum rhaponticum allergy; Rhubarb rheum rhaponticum allergy

ISI search: rhubarb allergy; rheum allergy

Google: rhubarb allergy

**Nomenclature**

According to ITIS, the correct spelling of Bheum rhaponticum is Rheum rhabarbarum. The common name is garden rhubarb. The Rheum genus is found in the Polygonaceae family.

**Parent Product**

285 - Food - Plant Source, Rhubarb Bheum rhaponticum

**Published Data**

Rhubarb leaves contain oxalate, which can cause sickness if consumed in large doses (<http://www.rhubarbinfo.com/rhubarb-poison.html>). No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 286 - Food - Plant Source, Rice Oryza sativa**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)  
Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)  
Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)  
ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)  
Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)  
Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: rice allergy; Oryza sativa allergy; Oryza sativa allergy English  
Google: rice allergy; rice allergy adverse; rice allergen; rice allergen adverse; same search results performed for Oryza sativa

**Nomenclature**

According to ITIS, the scientific name, Oryza sativa, is correct and current. The common name is rice. Synonym is Oryza sativa var. fatua. The Oryza genus is found in the Poaceae family.

**Parent Product**

286 - Food - Plant Source, Rice Oryza sativa

**Published Data**

PMID 7560636: 98 people were skin prick tested with rice extract, 23 gave a positive result. DBPCFC was performed on 9 patients. One had a positive reaction.

PMID 11906347: In another paper one person had allergic response to rice. Two extracts were used for skin prick testing. One gave a positive response and one did not. Prick-prick testing with cooked rice also gave a positive response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995
286_ Allergy 57 - 263.pdf	11906347	Wuthrich, B.	2002

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 287 - Food - Plant Source, Rice, Wild**

**Recommended Scientific Name**      Zizania, (species to be specified)

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: rice allergy; wild rice allergy; Zizania allergy

Google: rice allergy; rice allergy adverse; rice allergen; rice allergen adverse

**Nomenclature**

According to ITIS, wild rice is in the genus Zizania. There are four species of wild rice: Z. palustris L., Z. aquatica L., Z. texana, and Z. latifolia. Wild rice is not a true rice (Oryza sativa), but they are in the same tribe (Oryzeae). The Zizania genus is found in the Poaceae family.

**Parent Product**

287 - Food - Plant Source, Rice, Wild

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 288 - Food - Plant Source, Rutabaga Brassica napobrassica**

**Recommended Scientific Name** Brassica napus

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: rutabaga allergy; Brassica napobrassica allergy

ISI search: rutabaga and allergy; Brassica and napobrassica and allergy

Google: rutabaga allergy; rutabaga allergy adverse; rutabaga allergen; rutabaga allergen adverse; same search results performed for Brassica napobrassica

**Nomenclature**

According to ITIS, the current name of Brassica napobrassica is Brassica napus. The common names are rape and turnip. Synonyms are Brassica napobrassica and B. napus var. mapobrassica. Two varieties of B. napus are listed: napus and pabularia. The Brassica genus is found in the Brassicaceae family.

**Parent Product**

288 - Food - Plant Source, Rutabaga Brassica napobrassica

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 289 - Food - Plant Source, Rye Grain****Recommended Scientific Name**      Secale cereale**Manufacturers of this Product**

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: rye allergy; rye grain allergy; Secale cereale allergy

Google: rye allergy; rye allergy adverse; rye allergen; rye allergen adverse

**Nomenclature**

According to ITIS, the scientific name for rye is Secale cereale. Common names are: cereal rye, common rye, cultivated annual rye, cultivated rye, and rye. Synonyms are Secale montanum and Triticum cereale. The Secale genus is found in the Poaceae family. Cereals are from the grass family (Gramieae). We consume the edible and nutritious portion - the seeds, or grains.

**Parent Product**

290 - Food - Plant Source, Rye Secale cereale

**Related Products**

289 - Food - Plant Source, Rye Grain

**Published Data**

PMIDs 15853958, 16032737 and 12190662 used rye extract to diagnose rye allergy. PMID 16032737 was a case report with a single individual that had allergic reaction to rye flour. He gave a positive response to rye extract and had a positive bronchial challenge to a rye-wheat flour mixture, but not to wheat flour alone. PMIDs 15853958 and 12190662 tested people that had allergic reactions to cereals. Of 40 with positive reactions to skin prick tests with rye extract, only 4 had a positive response to DBPCFC. This - like other grains - seems to have a high false positive rate. PMID 7560636 identified cross-reactivity among the cereal grains.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995
289_ Am J Ind Med 48 - 153.pdf	16032737	Ehrlich, R.	2005
289_ Clin Exp Allergy 32 - 1216.pdf	12190662	Armentia, A.	2002
324_ Pediatr Allergy Immunol 16 - 262.pdf	15853958	Pourpak, Z.	2005

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 290 - Food - Plant Source, Rye Secale cereale**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: rye allergy; Secale cereale allergy

Google: rye allergy; rye allergy adverse; rye allergen; rye allergen adverse; same search results performed for Secale cereale

**Nomenclature**

According to ITIS, the scientific name, Secale cereale, is correct and current. Common names are cereal rye, common rye, cultivated annual rye, cultivated rye, and rye. Synonyms are Secale montanum and Triticum cereale. The Secale genus is found in the Poaceae family. Cereals are from the grass family (Gramieae). We consume the edible and nutritious portion - the seeds, or grains.

**Parent Product**

290 - Food - Plant Source, Rye Secale cereale

**Related Products**

289 - Food - Plant Source, Rye Grain

**Published Data**

PMIDs 15853958, 16032737 and 12190662 used rye extract to diagnose rye allergy. PMID 16032737 was a case report with a single individual that had allergic reaction to rye flour. He gave a positive response to rye extract and had a positive bronchial challenge to a rye-wheat flour mixture, but not to wheat flour alone. PMIDs 15853958 and 12190662 tested people that had allergic reactions to cereals. Of 40 with positive reactions to skin prick tests with rye extract, only 4 had a positive response to DBPCFC. This - like other grains - seems to have a high false positive rate. PMID 7560636 identified cross-reactivity among the cereal grains.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995
289_ Am J Ind Med 48 - 153.pdf	16032737	Ehrlich, R.	2005
324_ Pediatr Allergy Immunol 16 - 262.pdf	15853958	Pourpak, Z.	2005
289_ Clin Exp Allergy 32 - 1216.pdf	12190662	Armentia, A.	2002

<b>Panels:</b>	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 291 - Food - Plant Source, Safflower Seed Carthamus tinctorius**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: safflower allergy English; safflower seed allergy; Carthamus tinctorius allergy

ISI search: safflower allergy; safflower seed allergy; Carthamus allergy

Google: Carthamus allergy; safflower seed allergy

**Nomenclature**

According to ITIS, the scientific name, Carthamus tinctorius, is correct and current. The common name is safflower. The Carthamus genus is found in the Asteraceae family.

**Parent Product**

291 - Food - Plant Source, Safflower Seed Carthamus tinctorius

**Published Data**

No supportive data were identified.

<b>Panels:</b>	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 292 - Food - Plant Source, Sage Salvia officinalis**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: sage allergy; Salvia officinalis allergy

Google: sage allergy; sage allergy adverse; sage allergen; sage allergen adverse; same search results performed for Salvia officinalis

**Nomenclature**

According to ITIS, the scientific name, Salvia officinalis, is correct and current. The common name is kitchen sage. The Salvia genus is found in the Lamiaceae family.

**Parent Product**

292 - Food - Plant Source, Sage Salvia officinalis

**Published Data**

Two papers (PMIDs 8630713 and 893378) were found that use sage extracts for skin test diagnosis. In PMID 8630713, a man had allergic reactions when he ate food seasoned with thyme or oregano. He was skin prick tested with extracts of several different herbs, including sage, which was positive. In PMID 893378, 54 women who worked in a processing plant were skin prick tested to a variety of herbs. 60% had a positive reaction to the sage dust extract.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
195_ cutis 52 - 288.pdf	8299390	Futrell, J.M.	1993
251_ Ann Allergy Asthma Immunol 76 - 416.pdf	8630713	Benito, M.	1996
292_ annals allergy asthma immunol 77 - 417.pdf	893378	Zuskin, E.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 293 - Food - Plant Source, Sesame seed Sesamum indicum**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: sesame allergy; sesame seed allergy; Sesamum indicum allergy

Google: sesame seed allergy; sesame seed allergy adverse; sesame seed allergen; sesame seed allergen adverse; same search results performed for Sesamum indicum

**Nomenclature**

According to ITIS, the current name of Sesamum indicum is Sesamum orientale. Common name is sesame. Synonym is Sesamum indicum. The Sesamum genus is found in the Pedaliaceae family.

**Parent Product**

294 - Food - Plant Source, Sesame Seed Sesamum orientale

**Related Products**

293 - Food - Plant Source, Sesame seed Sesamum indicum

**Published Data**

PMID 16601355: A woman with confirmed poppy seed allergy also had a positive skin prick test to sesame seed extract. (Both poppy and sesame seeds are in the Pedaliaceae family.)

PMID 11167387: Ten children with sesame seed allergy were tested for allergy to sesame using commercial extracts by skin prick test (Hollister-Stier). All ten gave a positive reaction.

PMID 16436145: 13 people with confirmed allergy to sesame were skin prick tested with sesame extracts. 5 people gave a positive response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
293_ Int Arch Allergy Immunol 140 -170.pdf	16601355	Oppel, T.	2006
293_ Allergy 56 - 193.pdf	11167387	Levy, Y.	2001
293_ Allergy 61 - 349.pdf	16436145	Leduc, V.	2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 294 - Food - Plant Source, Sesame Seed Sesamum orientale**

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: sesame allergy; sesame seed allergy; Sesamum orientale allergy

Google: sesame allergy; sesame allergy adverse; sesame allergen; sesame allergen adverse; same search results performed for Sesamum orientale

**Nomenclature**

According to ITIS, the scientific name, Sesamum orientale, is correct and current. Common name is sesame. Synonym is Sesamum indicum. The Sesamum genus is found in the Pedaliaceae family.

**Parent Product**

294 - Food - Plant Source, Sesame Seed Sesamum orientale

**Related Products**

293 - Food - Plant Source, Sesame seed Sesamum indicum

**Published Data**

PMID 16601355: A woman with confirmed poppy seed allergy also had a positive skin prick test to sesame seed extract. (Both poppy and sesame seeds are in the Pedaliaceae family.)

PMID 11167387: Ten children with sesame seed allergy were tested for allergy to sesame using commercial extracts by skin prick test (Hollister-Stier). All ten gave a positive reaction.

PMID 16436145: 13 people with confirmed allergy to sesame were skin prick tested with sesame extracts. 5 people gave a positive response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
293_ Allergy 61 - 349.pdf	16436145	Leduc, V.	2006
293_ Allergy 56 - 193.pdf	11167387	Levy, Y.	2001
293_ Int Arch Allergy Immunol 140 -170.pdf	16601355	Oppel, T.	2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 295 - Food - Plant Source, Soybean Glycine max**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: soybean allergy; Glycine max allergy

Google: soybean allergy; soybean allergy adverse; soybean allergen; soybean allergen adverse; same search results performed for Glycine max

**Nomenclature**

According to ITIS, the scientific name, Glycine max, is correct and current. Common name is soybean. Synonyms are Dolichos soja, Glycine gracilis, Glycine hispida, Phaseolus max, Soja hispida, and Soja max. The Glycine genus is found in the Fabaceae family.

**Parent Product**

295 - Food - Plant Source, Soybean Glycine max

**Published Data**

PMID 12402374: Thirty-three of 94 people who underwent DBPCFC using soy had a positive reaction. Ten of those had a positive reaction to commercial soy extract, 15 had a positive reaction with a fresh soy extract.

PMID 7560633: Of 90 asthmatics with an allergy to soybean, 52 had a positive reaction to soybean dust extract when retested 2 years later.

PMID 2918186: Of 69 patients who were tested for allergy to legumes, 30 people had a positive skin test response to soybean, and 10 of those had a positive reaction to food challenge with soybeans.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
295_ Yonsei Med J 43 - 2002.pdf	12402374	Kim, T.E.	2002
295_ J Allergy Clin Immunol 96 - 320.pdf	7560633	Morell, F.	1995
295_ Clin Exp Allergy 22 - 461.pdf	1611546	Herian, A.M.	1992
295_ J Allergy Clin Immunol 83 - 435.pdf	2918186	Bernhisel-Broadbent,	1989

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 296 - Food - Plant Source, Soybean Glycine soja**

**Manufacturers of this Product**

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: soybean allergy; Glycine soja allergy

Google: soybean allergy; soybean allergy adverse; soybean allergen; soybean allergen adverse; same search results performed for Glycine soja

**Nomenclature**

According to ITIS, the scientific name, Glycine soja, is correct and current. The common name is wild soybean. Synonym is Glycine ussuriensis. The Glycine genus is found in the Fabaceae family.

**Parent Product**

296 - Food - Plant Source, Soybean Glycine soja

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 297 - Food - Plant Source, Spearment Mentha spicata**

**Recommended Common Name**      Spearmint

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: spearmint allergy; Mentha spicata allergy

ISI search: spearmint allergy

Google: spearmint allergy

**Nomenclature**

According to ITIS, the scientific name, Mentha spicata, is correct and current. Common names are bush mint and spearmint. Synonyms are Mentha cordifolia, M. longifolia, and M. viridis. The Mentha genus is found in the Lamiaceae family.

**Parent Product**

297 - Food - Plant Source, Spearment Mentha spicata

**Published Data**

The only papers that were found dealt with contact allergy to spearmint or spearmint oil. No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 298 - Food - Plant Source, Spinach *Spinacia oleracea***

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: spinach allergy limit English; *Spinacia oleracea* allergy

Google: spinach allergy; spinach allergy adverse; spinach allergen; spinach allergen adverse; same search results performed for *Spinacia oleracea*

**Nomenclature**

According to ITIS, the scientific name, *Spinacia oleracea*, is correct and current. The common name is spinach. The *Spinacia* genus is found in the Chenopodiaceae family.

**Parent Product**

298 - Food - Plant Source, Spinach *Spinacia oleracea*

**Published Data**

PMID 9450148 reported that a commercial spinach extract was used to diagnose allergy in an individual with oral allergy syndrome. There was no confirmatory food challenge. No further evidence was found to support the use of spinach extracts for diagnosis, although a few reports indicated positive reactions to fresh spinach material.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
298_Allergy 52 - 1245.pdf	9450148	Sanchez, I.	1997

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 299 - Food - Plant Source, Squash Cucurbita maxima**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: squash allergy; Cucurbita maxima allergy

ISI search: squash allergy; Cucurbita maxima allergy

Google: squash allergy; squash allergy adverse; squash allergen; squash allergen adverse; same search results performed for Cucurbita maxima

**Nomenclature**

According to ITIS, the scientific name, Cucurbita maxima, that is correct and current. The common name is winter squash. The Cucurbita genus is found in the Cucurbitaceae family. Cucurbita maxima is one of four species of Cucurbita. C. maxima includes winter squash, such as banana squash.

**Parent Product**

299 - Food - Plant Source, Squash Cucurbita maxima

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 300 - Food - Plant Source, Squash Cucurbita moschata**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: squash allergy; Cucurbita moschata allergy

ISI search: Cucurbita moschata allergy; squash and allergy

Google: squash allergy; squash allergy adverse; squash allergen; squash allergen adverse; same search results performed for Cucurbita moschata

**Nomenclature**

According to ITIS, the scientific name, Cucurbita moschata, is correct and current. The common name is crookneck squash. Synonym is Pepo moschata. The Cucurbita genus is found in the Cucurbitaceae family. Cucurbita moschata includes butternut squash.

**Parent Product**

300 - Food - Plant Source, Squash Cucurbita moschata

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 301 - Food - Plant Source, Squash, Banana**

**Recommended Scientific Name** Cucurbita maxima

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: squash allergy; banana squash allergy

ISI search: squash allergy; banana squash allergy

Google: banana squash allergy; banana squash allergy adverse; banana squash allergen; banana squash allergen adverse

**Nomenclature**

According to <http://edis.ifas.ufl.edu/MV140>, squash, banana is Cucurbita maxima. According to ITIS, the common name of Cucurbita maxima is winter squash. The Cucurbita genus is found in the Cucurbitaceae family. Cucurbita maxima is one of four species of Cucurbita. C. maxima includes winter squash, such as banana squash.

**Parent Product**

301 - Food - Plant Source, Squash, Banana

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 302 - Food - Plant Source, Squash, Italian**

Recommended Scientific Name Cucurbita pepo

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: squash allergy; Italian squash allergy

Google: Italian squash allergy; Italian squash allergy adverse; Italian squash allergen; Italian squash allergen adverse

Nomenclature

Italian squash is not listed in ITIS. After reviewing several internet sites and doing a Google search, it is not completely clear what is the genus and species designation for this product. There is an additional entry for 'squash, Italian, zucchini'. The University of Florida, IFAS Extension website (<http://edis.ifas.ufl.edu/MV142>) states that zucchini squash is one type of summer squash. This website also states that zucchini is also known as Italian marrow squashes, Cucurbita pepo. ITIS lists the common names of Cucurbita pepo as field pumpkin and vegetable marrow.

Parent Product

302 - Food - Plant Source, Squash, Italian

Published Data

Only one paper (PMID: 10932084) was found where zucchini (C. pepo) allergy was diagnosed by skin testing but extracts were not used. Instead prick-prick tests were performed with fresh fruit.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
304_ J Allergy Clin Immunol 106 - 379.pdf	10932084	Reindl, J.	2000

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 303 - Food - Plant Source, Squash, Summer**

Recommended Scientific Name Cucurbita pepo

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: squash allergy; summer squash allergy

Google: summer squash allergy; summer squash allergy adverse; summer squash allergen; summer squash allergen adverse

Nomenclature

Summer squash is not listed in ITIS. The University of Florida, IFAS Extension website (<http://edis.ifas.ufl.edu/MV142>) states that zucchini squash is one type of summer squash, Cucurbita pepo. ITIS lists the common names of Cucurbita pepo as field pumpkin and vegetable marrow. Most, but not all, summer squashes are in the genus and species: Cucurbita pepo.

Parent Product

303 - Food - Plant Source, Squash, Summer

Published Data

Only one paper (PMID: 10932084) was found where zucchini (C. pepo) allergy was diagnosed by skin testing but extracts were not used. Instead prick-prick tests were performed with fresh fruit.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
304_J Allergy Clin Immunol 106 - 379.pdf	10932084	Reindl, J.	2000

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 304 - Food - Plant Source, Squash, Yellow Summer Cucurbita pepo melopepo**

**Recommended Scientific Name** Cucurbita pepo var. melopepo

**Manufacturers of this Product**

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: squash allergy; Cucurbita pepo allergy

ISI: squash allergy

Google: yellow squash allergy; yellow squash allergy adverse; yellow squash allergen; yellow squash allergen adverse; same search results performed for Cucurbita pepo

**Nomenclature**

According to ITIS, the scientific name, Cucurbita pepo var. melopepo, is correct and current. The common name is listed as field pumpkin. Synonym is Cucurbita pepo var. condesnsa. The Cucurbita genus is found in the Cucurbitaceae family.

**Parent Product**

304 - Food - Plant Source, Squash, Yellow Summer Cucurbita pepo melopepo

**Published Data**

Only one paper (PMID 10932084) was found where zucchini (C. pepo) allergy was diagnosed but extracts were not used. Instead prick-prick tests were performed with fresh fruit.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
304_J Allergy Clin Immunol 106 - 379.pdf	10932084	Reindl, J.	2000

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 305 - Food - Plant Source, Squash, Zucchini, Italian**

**Recommended Scientific Name** Cucurbita pepo

**Manufacturers of this Product**

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: squash allergy; Zucchini allergy; Zucchini squash allergy

Google: zucchini squash allergy; zucchini squash allergy adverse; zucchini squash allergen; zucchini squash allergen adverse

**Nomenclature**

The University of Florida, IFAS Extension website (<http://edis.ifas.ufl.edu/MV142>) states that zucchini squash is Cucurbita pepo. ITIS lists the common names of Cucurbita pepo as field pumpkin and vegetable marrow. There are five varieties of C. pepo listed: melopepo, ovifera, ozarkana, pepo, and texana. The Cucurbita genus is found in the Cucurbitaceae family.

**Parent Product**

305 - Food - Plant Source, Squash, Zucchini, Italian

**Published Data**

Only one paper (PMID 10932084) was found where zucchini (C. pepo) allergy was diagnosed but extracts were not used. Instead prick-prick tests were performed with fresh fruit.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
304_J Allergy Clin Immunol 106 - 379.pdf	10932084	Reindl, J.	2000

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 306 - Food - Plant Source, Strawberry *Fragaria chiloensis***

**Recommended Common Name** Strawberry, Beach

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: strawberry allergy (limit English); *Fragaria chiloensis* allergy

ISI: strawberry and extract; strawberry allergy; strawberry allergy

Google: *Fragaria chiloensis* allergy

**Nomenclature**

According to ITIS, the scientific name, *Fragaria chiloensis*, is correct and current. The common name is beach strawberry. There is one variety (*sandwichensis*) and four subspecies (*chiloensis*, *lucida*, *pacifica*, and *sandwicensis*) listed for *F. chiloensis*. The *Fragaria* genus is found in the Rosaceae family.

**Parent Product**

306 - Food - Plant Source, Strawberry *Fragaria chiloensis*

**Published Data**

No supportive data were identified.

Panels:	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 307 - Food - Plant Source, Sunflower Seed Helianthus annuus**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: sunflower allergy; sunflower seed allergy; Helianthus annuus allergy

Google: sunflower allergy; sunflower allergy adverse; sunflower allergen; sunflower allergen adverse; same search results performed for Helianthus annuus

**Nomenclature**

According to ITIS, the scientific name, Helianthus annuus, is correct and current. Common names are listed as annual sunflower, common sunflower, sunflower, and wild sunflower. Synonyms are H. annuus ssp. jaegeri, H. annuus ssp. lenticularis, H. annuus var. lenticularis, H. annuus var. macrocarpus, H. annuus var. texanus, H. annuus ssp. texanus, H. aridus, and H. lenticularis. The Helianthus genus is found in the Asteraceae family.

**Parent Product**

307 - Food - Plant Source, Sunflower Seed Helianthus annuus

**Published Data**

PMIDs 3950255, 7825717 used skin prick tests with sunflower seed extracts to diagnose sunflower seed allergy. Between the 2 papers, 6 out of 6 people with sunflower seed allergy had positive responses to skin prick tests with sunflower seed extracts.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
218_J Allergy Clin Immunol 77-516.pdf	3950255	Stricker, W.E.	1986
307_ Allergy 49 - 517.pdf	7825717	Axelsson, I.G.	1994

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 308 - Food - Plant Source, Tangerine Citrus deliciosa**

Recommended Scientific Name Citrus reticulate

Manufacturers of this Product

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Search Strategy

PubMed: Tangerine allergy; Citrus deliciosa allergy

ISI search: Citrus deliciosa allergy

Google: tangerine allergy; tangerine allergy adverse; tangerine allergen; tangerine allergen adverse; same search results performed for Citrus deliciosa

Nomenclature

According to ITIS, tangerine is Citrus reticulate not Citrus deliciosa. Citrus deliciosa is not listed in ITIS. Synonym of C. reticulata is C. nobilis. The Citrus genus is found in the Rutaceae family.

Parent Product

308 - Food - Plant Source, Tangerine Citrus deliciosa

Published Data

No supportive data were identified.

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 309 - Food - Plant Source, Tangerine Citrus reticulata**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: tangerine allergy; Citrus reticulata allergy

ISI: tangerine and allergy

Google: tangerine allergy

**Nomenclature**

According to ITIS, the scientific name, Citrus reticulata, is correct and current. The common name is tangerine. Synonym is C. nobilis. The Citrus genus is found in the Rutaceae family.

**Parent Product**

309 - Food - Plant Source, Tangerine Citrus reticulata

**Published Data**

No supportive data were identified.

<b>Panels:</b>	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category I	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 310 - Food - Plant Source, Tapioca Manihot esculenta**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: tapioca allergy; Manihot esculenta allergy

ISI search: tapioca and allergy

Google: tapioca allergy

**Nomenclature**

According to ITIS, the scientific name, Manihot esculenta, is correct and current. The common name is tapioca. Synonyms are: Janipha manihot, Jatropha manihot, Manihot aipi, M. dulcis, M, manihot, M. melanobasis, and M. utilisissima. The Manihot genus is found in the Euphorbiaceae family. Tapioca is produced from treated and dried manioc root. (Wikipedia)

**Parent Product**

310 - Food - Plant Source, Tapioca Manihot esculenta

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 311 - Food - Plant Source, Tea Camellia sinensis**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: Tea allergy; Camellia sinensis allergy; black tea allergy

Google: tea allergy; tea allergy adverse; tea allergen; tea allergen adverse; same search results performed for Camellia sinensis

**Nomenclature**

According to ITIS, the scientific name, Camellia sinensis, is correct and current. The common name is tea. Two varieties of C. sinensis is listed: assamica and sinensis. The Camellia genus is found in the Theaceae family. "There are four types of true tea: black tea, oolong tea, green tea, and white tea. The term herbal tea usually refers to infusions of fruit or herbs such as rosehip tea, chamomile tea and Jiaogulan that contain no tea leaves." <http://en.wikipedia.org/wiki/Tea>

**Parent Product**

311 - Food - Plant Source, Tea Camellia sinensis

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 312 - Food - Plant Source, Thyme Thymus vulgaris**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: thyme allergy; Thymus vulgaris allergy

ISI search: thyme and allergy

Google: thyme allergy

**Nomenclature**

According to ITIS, the scientific name, Thymus vulgaris, is correct and current. The common name is garden thyme. The Thymus genus is found in the Lamiaceae family.

**Parent Product**

312 - Food - Plant Source, Thyme Thymus vulgaris

**Published Data**

One paper (PMID 8630713) was found that used thyme extract to diagnosis thyme allergy. This case report is of a single person who had an allergic reaction to thyme and oregano, and had positive reactions to skin prick tests using both extracts. Other papers (not downloaded) used what they called extracts, but were actually suspensions of thyme in PBS.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
251_ Ann Allergy Asthma Immunol 76 - 416.pdf	8630713	Benito, M.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 313 - Food - Plant Source, Tomato Lycopersicon esculentum**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: tomato allergy; Lycopersicon esculentum allergy

Google: tomato allergy; tomato allergy adverse; tomato allergen; tomato allergen adverse; same search results performed for Lycopersicon esculentum

**Nomenclature**

According to ITIS, the current name of Lycopersicon esculentum is Solanum lycopersicum var. lycopersicum. The common name is garden tomato. Synonyms are Lycopersicon esculentum, L. lycopersicum, and L. pyriforme. The Solanum genus is found in the Solanaceae.

**Parent Product**

313 - Food - Plant Source, Tomato Lycopersicon esculentum

**Published Data**

PMIDs 12001794, 16487121 describe case reports of individuals with allergic responses to tomatoes. In each paper one person was skin prick tested with tomato extract and gave a positive response. In the other paper the symptoms were induced after exercise, so exercise challenge tests were performed.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
313_ Allergy and Asthma Proc 23 - 149.pdf	12001794	Zacharisen, M.C.	2002
313_ Clin Exp Dermatol 31 - 294.pdf	16487121	Caffarelli, C.	2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 314 - Food - Plant Source, Tomato Nicotiana spp.**

Recommended Scientific Name Nicotiana, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: tomato allergy; Nicotiana allergy; Nicotiana Tomato allergy

Google: tomato allergy; tomato allergy adverse; tomato allergen; tomato allergen adverse; same search results performed for Nicotiana

Nomenclature

According to ITIS, there are three varieties and twenty-one species within the Nicotiana genus. The Nicotiana genus is found in the Solanaceae family. ITIS indicates that genus Nicotiana includes tobacco and does not include any tomatoes in this genus.

Parent Product

314 - Food - Plant Source, Tomato Nicotiana spp.

Published Data

No supportive data were identified.

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 315 - Food - Plant Source, Turnip Brassica rapa**

**Recommended Common Name** Turnip, Wild

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: turnip allergy; Brassica rapa allergy

ISI search: turnip allergy

Google: turnip allergy; turnip allergy adverse; turnip allergen; turnip allergen adverse; same search results performed for Brassica rapa

**Nomenclature**

According to ITIS, the scientific name, Brassica rapa, is correct and current. Common names are bird's rape, birdsrape mustard, field mustard, rape, rape mustard, turnip rape, wild mustard, wild rutabaga, and wild turnip. Five varieties (amplexicaulis, dichotoma, rapa, silvestris, trilocularis) and two subspecies (rapa, sarson) are listed for B. rapa. The Brassica genus is found in the Brassicaceae family.

**Parent Product**

315 - Food - Plant Source, Turnip Brassica rapa

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 316 - Food - Plant Source, Turnip Greens, Brassica napus**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: Turnip Greens allergy; Brassica napus allergy

Google: turnip greens allergy; turnip greens allergy adverse; turnip greens allergen; turnip greens allergen adverse

**Nomenclature**

According to ITIS, the scientific name, Brassica napus, is correct and current. Common names are rape and turnip. Synonyms are Brassica napobrassica and B. napus var. napobrassica. Two varieties (napus and pabularia) are listed for B. napus. The Brassica genus is found in the Brassicaceae family. Turnip greens are from the same plants as turnip (brassica rapa) (Wikipedia). Brassica napus is oilseed rape. Even though ITIS says that Brassica napus is a type of turnip, no references were found indicate that the leaves of Brassica napus plants are called 'turnip greens.'

**Parent Product**

316 - Food - Plant Source, Turnip Greens, Brassica napus

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 317 - Food - Plant Source, Vanilla Vanilla fragans**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: vanilla allergy; Vanilla fragans allergy

ISI search: vanilla allergy

Google: vanilla allergy; vanilla allergy adverse; vanilla allergen; vanilla allergen adverse; same search results performed for Vanilla fragans, Vanilla fragans

**Nomenclature**

According to ITIS, the current name of Vanilla fragans is Vanilla planifolia. Common name is vanilla. Synonym is Vanilla fragans. The Vanilla genus is found in the Orchidaceae family.

**Parent Product**

317 - Food - Plant Source, Vanilla Vanilla fragans

**Published Data**

No supportive data were identified.

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 318 - Food - Plant Source, Walnut, Black Juglans nigra**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: walnut allergy; black walnut allergy; Juglans nigra allergy

Google: black walnut allergy; black walnut allergy adverse; black walnut allergen; black walnut allergen adverse; same search results performed for Juglans nigra

**Nomenclature**

According to PLANTS database, the genus Juglans contains 12 species of walnuts. They are separated into 4 taxonomic sections: Dioscaryon (English Walnut; J. regia), Rhysocaryon (Black Walnut; J. nigra, J. californica, J. hindsii, J. major, and J. microcarpo), Cardiocaryon (Asian Butternut) and Trachycaryon (American Butternut; J. cinerea). According to ITIS, the scientific name, Julans nigra, is correct and current. The common name is black walnut. Wallia nigra is listed as a synonym. The Juglans genus is found in the Juglandaceae family.

**Parent Product**

318 - Food - Plant Source, Walnut, Black Juglans nigra

**Related Products**

152 - Food - Plant Source, Black, English Juglans nigra

**Published Data**

There are two species of walnut that are currently used for extracts. PMID 15479274 shows extensive cross-reactivity between these two species of walnut (J. regia and J. nigra), as well as between J. nigra and J. californica, and between J. nigra and J. cinerea. The rest of the papers reviewed do not mention the species or type of walnut used. Based on PMID 15479274, all papers were used to support both walnut extracts.

PMIDs 14989401, 10582717, 14767457, and 15479274 included patients with positive reactions to skin prick tests with walnut extracts. Many exhibited signs of allergy to walnuts.

PMID 15480333 used patient sera to do in vitro studies. In order to be included in this study, all subjects must have positive skin prick tests with commercial walnut extracts and a positive oral challenge to walnuts. There were 46 such patients.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
124_ Ann Allergy Asthma Immunol 92-281.pdf	14989401	Nguyen, S.A.	2004
274_ Ann Allergy Asthma Immunol 83 - 377.pdf	10582717	Asero, R.	1999
273_ Ann Allergy Asthma Immunol 95 -45.pdf	16095141	Goetz, D.W.	2005
318_ J Allergy Clin Immunol113 - 358.pdf	14767457	Asero, R.	2004
318_ J Allergy Clin Immunol 114 - 908.pdf	15480333	Pastorello, E.A.	2004
318_ Clin Exp Allergy 34 - 1583.pdf	15479274	Comstock, S.S.	2004

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 319 - Food - Plant Source, Walnut, English Juglans regia**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: walnut allergy; english walnut allergy; Juglans regia allergy

Google: english walnut allergy; english walnut allergy adverse; english walnut allergen; english walnut allergen adverse; same search results performed for Juglans regia

**Nomenclature**

According to ITIS, the scientific name, Juglans regia, is correct and current. The common name is English walnut. The Juglans genus is found in the Juglandaceae family. According to the PLANTS database, the genus Juglans contains all 12 species of walnuts. They are separated into 4 taxonomic sections: Dioscaryon (English Walnut; J. regia), Rhysocaryon (Black Walnut; J. nigra, J. californica, J. Hindsii, J. major, and J. microcarpo), Cardiocaryon (Asian Butternut) and Trachycaryon (American Butternut; J. cinerea).

**Parent Product**

319 - Food - Plant Source, Walnut, English Juglans regia

**Published Data**

There are two species of walnut that are currently used for extracts. PMID 15479274 shows extensive cross-reactivity between these two species of walnut (J. regia and J. nigra), as well as between J. nigra and J. californica, and between J. nigra and J. cinerea. The rest of the papers reviewed do not mention the species or type of walnut used. Based on PMID 15479274, all papers were used to support both walnut extracts.

PMIDs 14989401, 10582717, 14767457, and 15479274 included patients with positive reactions to skin prick tests with walnut extracts. Many exhibited signs of allergy to walnuts.

PMID 15480333 used patient sera to do in vitro studies. In order to be included in this study, all subjects must have positive skin prick tests with commercial walnut extracts and a positive oral challenge to walnuts. There were 46 such patients.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
274_ Ann Allergy Asthma Immunol 83 - 377.pdf	10582717	Asero, R.	1999
318_ Clin Exp Allergy 34 - 1583.pdf	15479274	Comstock, S.S.	2004
318_ J Allergy Clin Immunol 114 - 908.pdf	15480333	Pastorello, E.A.	2004
318_ J Allergy Clin Immunol 113 - 358.pdf	14767457	Asero, R.	2004
273_ Ann Allergy Asthma Immunol 95 -45.pdf	16095141	Goetz, D.W.	2005
124_ Ann Allergy Asthma Immunol 92-281.pdf	14989401	Nguyen, S.A.	2004

<b>Panels:</b>	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 320 - Food - Plant Source, Watercress *Lepidium sativum***

**Recommended Common Name**      Pepperweed, Gardencress

**Manufacturers of this Product**

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed and ISI: watercress allergy; lepidium allergy; Nasturtium allergy; gardencress allergy; pepperweed

Google: watercress allergy

**Nomenclature**

According to ITIS, the scientific name, *Lepidium sativum*, is correct and current. The common names are garden pepperwort and gardencress pepperweed. The *Lepidium* genus is found in the Brassicaceae family. Watercress is listed as either *Rorippa nasturtium-aquaticum* or *Rorippa tenerrima*. According to PLANTS database, *Lepidium sativum* is gardencress pepperweed. The name watercress is typically used for plants in the genus and species - *Nasturtium officinale*.

**Parent Product**

320 - Food - Plant Source, Watercress *Lepidium sativum*

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	Category IIIA	Category I
<b><u>Therapy:</u></b>	Category IIIA	Category II

**Product: 321 - Food - Plant Source, Watercress Rorippa nasturtium aquaticum**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: watercress allergy documents; watercress allergen; watercress allergic; Rorippa allergy; nasturtium allergy

Google: watercress allergy; watercress allergy adverse; watercress allergen; watercress allergen adverse; same search results performed for Rorippa nasturtium

**Nomenclature**

According to ITIS, the scientific name, Rorippa nasturtium-aquaticum, is correct and current. Common name is watercress. Synonyms are listed as Nasturtium nasturtium-aquaticum, N. officinale, N. officinale var. siifolium, and Sisymbrium nasturtium-aquaticum. The Rorippa genus is found in the Brassicaceae family.

**Parent Product**

321 - Food - Plant Source, Watercress Rorippa nasturtium aquaticum

**Published Data**

No supportive data were identified.

**Panels:**

	<b><u>Original Panel Recommendation</u></b>	<b><u>Reclassification Panel Recommendation</u></b>
<b><u>Diagnosis:</u></b>	none	none
<b><u>Therapy:</u></b>	none	none

**Product: 322 - Food - Plant Source, Watermelon Citrullus lanatus**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

**Search Strategy**

PubMed: Watermelon allergy; Citrullus lanatus allergy

Google: watermelon allergy; watermelon allergy adverse; watermelon allergen; watermelon allergen adverse; same search results performed for Citrullus lanatus

**Nomenclature**

According to ITIS, the scientific name, Citrullus lanatus, is correct and current. The common name is watermelon. Two varieties of C. lanatus are citroides and lanatus. The Citrullus genus is found in the Cucurbitaceae family.

**Parent Product**

322 - Food - Plant Source, Watermelon Citrullus lanatus

**Published Data**

PMID 3584742 describe ELISA inhibition studies showing that ragweed extract successfully inhibits binding of patient IgE to watermelon extract, and that watermelon extract successfully inhibited IgE from binding ragweed extract - both in a dose dependant manner. Percent inhibition was not calculated, but a chart portrays the maximum concentration used inhibiting at 75-80%. Ragweed is a standardized extract.

PMID 3584742 describes 6 subjects with food allergies, three of which were allergic to watermelon. The extracts used in this paper were prepared from fresh foods. This paper cannot be used to support efficacy of diagnosis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
194_ Annals of Allergy 71-70.pdf	8328718	Jordan-Wagner, D.L.	1993
323_ J Allergy Clin Immunol 79 - 867.pdf	3584742	Enberg, R.N.	1987

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 323 - Food - Plant Source, Watermelon Citrullus vulgaris**

**Recommended Scientific Name** Citrullus lanatus var. lanatus

**Manufacturers of this Product**

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: watermelon allergy; Citrullus vulgaris allergy

Google: watermelon allergy; watermelon allergy adverse; watermelon allergen; watermelon allergen adverse; same search results performed for Citrullus vulgaris

**Nomenclature**

According to ITIS, the current scientific name of Citrullus vulgaris is Citrullus lanatus var. lanatus. Common names are watermelon and wild watermelon. Synonyms are Citrullus citrullus, C. vulgaris, Colocynthis citrullus, Cucubertia citrullus, and Momordica lanata. The Citrullus genus is found in the Cucurbitaceae family.

**Parent Product**

323 - Food - Plant Source, Watermelon Citrullus vulgaris

**Published Data**

PMID 3584742 describe ELISA inhibition studies showing that ragweed extract successfully inhibits binding of patient IgE to watermelon extract, and that watermelon extract successfully inhibited IgE from binding ragweed extract - both in a dose dependant manner. Percent inhibition was not calculated, but a chart portrays the maximum concentration used inhibiting at 75-80%. Ragweed is a standardized extract.

PMID 3584742 describes 6 subjects with food allergies, three of which were allergic to watermelon. The extracts used in this paper were prepared from fresh foods. This paper cannot be used to support efficacy of diagnosis.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
194_ Annals of Allergy 71-70.pdf	8328718	Jordan-Wagner, D.L.	1993
323_ J Allergy Clin Immunol 79 - 867.pdf	3584742	Enberg, R.N.	1987

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 324 - Food - Plant Source, Wheat Bran**

Recommended Scientific Name Triticum, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

Search Strategy

PubMed: wheat allergy; wheat bran allergy

ISI: wheat bran allergy

Google: wheat bran allergy; wheat bran allergy adverse; wheat bran allergen; wheat bran allergen adverse

Nomenclature

During the milling process the grain is broken into pieces, then the refining sifts away the bran and germ from the endosperm. The bran is the outer coat of the kernel. The germ is the most nutritious part of the plant. It grows at the base of the kernel and it is the embryo of the future plant. It contains most of the fat, plus some iron, protein, vitamins B & E, and natural oils. The germ has a nutty taste to it and is 3% of the total weight of the kernel (and must be refrigerated to prevent rancidity, because of the high content of fat). The Endosperm is the central, large part of the grain. It nourishes the whole grain and it is made up of fine particles of starch, protein, and minerals. There is generally more starch and less protein per cell near the center of the grain than there is near the surface. The more the grains are refined, the less nutritious they become. Refined grains are easier to cook and chew and are lighter in color. It is from the endosperm that white flour is milled. It makes up 82% of the total weight of the kernel. (<http://www.cambridgeculinary.com/bread.aspx>) Whole Wheat Flour is made by milling the entire grain, including the bran and germ.

Parent Product

324 - Food - Plant Source, Wheat Bran

Published Data

PMID 15853958 discussed the use of extracts from both wheat bran and wheat flour. Eighteen patients with confirmed wheat allergy were tested. All 18 had positive skin prick tests to wheat extract. Three were orally challenged, and all three had a positive response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
324_ Pediatr Allergy Immunol 16 - 262.pdf	15853958	Pourpak, Z.	2005

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 325 - Food - Plant Source, Wheat Flour**

**Recommended Scientific Name**     Triticum aestivum

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

**Search Strategy**

PubMed: wheat allergy; wheat flour allergy

Google: wheat flour allergy; wheat flour allergy adverse; wheat flour allergen; wheat flour allergen adverse

**Nomenclature**

This review assumes that the species are Triticum aestivum. All wheat grain extracts were ground into wheat flour before extraction. Milling breaks the grain into pieces and removes the germ and bran from the endosperm. Flour is typically made just from the endosperm portion of the whole grain. There are also whole wheat flours.

**Parent Product**

325 - Food - Plant Source, Wheat Flour

**Published Data**

Two papers (PMIDs 8581843 and 15853958) used wheat flour extract to diagnose wheat allergy. One of the papers also describes oral challenge with wheat in water that gave a strong positive response in the patient. The other paper describes 18 people that received skin prick tests with extracts of wheat flour, all 18 gave a positive response. Three people were challenged with wheat, and all gave a positive response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
324_ Pediatr Allergy Immunol 16 - 262.pdf	15853958	Pourpak, Z.	2005
243_ Clin Exp Allergy 25 - 1100.pdf	8581843	Varjonen, E.	1995

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 326 - Food - Plant Source, Wheat Gluten**

Recommended Scientific Name      Triticum, (species to be specified)

Manufacturers of this Product

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

Search Strategy

PubMed: wheat allergy; wheat gluten allergy

Google: wheat gluten allergy; wheat gluten allergy adverse; wheat gluten allergen; wheat gluten allergen adverse

Nomenclature

Wheat gluten is insoluble in aqueous solution.

Parent Product

326 - Food - Plant Source, Wheat Gluten

Published Data

No supportive data were identified.

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 327 - Food - Plant Source, Wheat Grain**

**Recommended Scientific Name** Triticum aestivum

**Manufacturers of this Product**

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

**Search Strategy**

PubMed: wheat grain allergy; wheat allergy

Google: wheat grain allergy; wheat grain allergy adverse; wheat grain allergen; wheat grain allergen adverse

**Nomenclature**

According to ITIS, wheat is Triticum aestivum. Common names are common wheat and wheat. Synonyms are Triticum hybernum, T. macha, T. sativum, T. sphaerococcum, and T. vulgare. The Triticum genus is found in the Poaceae family.

**Parent Product**

328 - Food - Plant Source, Wheat, Whole Triticum aestivum

**Related Products**

327 - Food - Plant Source, Wheat Grain

**Published Data**

Two papers (PMIDs 8581843 and 15853958) used wheat flour extract to diagnose wheat allergy. One of the papers also describes oral challenge with wheat in water that gave a strong positive response in the patient. The other paper describes 18 people that received skin prick tests with extracts of wheat flour, all 18 gave a positive response. Three people were challenged with wheat, and all gave a positive response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
243_ Clin Exp Allergy 25 - 1100.pdf	8581843	Varjonen, E.	1995
324_ Pediatr Allergy Immunol 16 - 262.pdf	15853958	Pourpak, Z.	2005

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	none	none
<u>Therapy:</u>	none	none

**Product: 328 - Food - Plant Source, Wheat, Whole Triticum aestivum**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Greer Laboratories, Inc. - Lenoir, NC (Lic. No. 308, STN No. 101833)

Nelco Laboratories, Inc. - Deer Park, NY (Lic. No. 459, STN No. 102192)

Allergy Laboratories, Inc. - Oklahoma City, OK (Lic. No. 103, STN No. 101376)

**Search Strategy**

PubMed: wheat allergy; wheat whole allergy; Triticum aestivum allergy

Google: wheat allergy; wheat allergy adverse; wheat allergen; wheat allergen adverse; same search results performed for Triticum aestivum

**Nomenclature**

According to ITIS, the scientific name, Triticum aestivum, is correct and current. Common names are common wheat and wheat. Synonyms are Triticum hybernum, T. macha, T. sativum, T. sphaerococcum, and T. vulgare. The Triticum genus is found in the Poaceae family.

**Parent Product**

328 - Food - Plant Source, Wheat, Whole Triticum aestivum

**Related Products**

327 - Food - Plant Source, Wheat Grain

**Published Data**

Two papers (PMIDs 8581843 and 15853958) used wheat flour extract to diagnose wheat allergy. One of the papers also describes oral challenge with wheat in water that gave a strong positive response in the patient. The other paper describes 18 people that received skin prick tests with extracts of wheat flour, all 18 gave a positive response. Three people were challenged with wheat, and all gave a positive response.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
231_ Ann Allergy Asthma Immunol 92 - 673.pdf	15237771	Herzinger, T.	2004
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995
324_ Pediatr Allergy Immunol 16 - 262.pdf	15853958	Pourpak, Z.	2005
243_ Clin Exp Allergy 25 - 1100.pdf	8581843	Varjonen, E.	1995

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category I	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 329 - Food - Plant Source, Whole Grain Oat**

**Recommended Scientific Name** Avena sativa

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

**Search Strategy**

PubMed: Whole Grain Oat allergy; Avena sativa extract

Google: Grain Oat allergy; Grain Oat allergy adverse; Grain Oat allergen; Grain Oat allergen adverse

**Nomenclature**

When oats are harvested they have a hull that surrounds the bran, germ, and endosperm. The outer hull is inedible and is removed prior to the milling process. After the grain is hulled, the bran, germ and endosperm remain.  
[http://www.namamillers.org/prd\\_o\\_mill.html](http://www.namamillers.org/prd_o_mill.html)

According to ITIS, oat is Avena sativa. The common names are common oat, oat, oatgrass, wild oats. Synonyms are listed as Avena byzantine, Avena fatua var. sativa, Avena hybrida, and Avena sativa var. orientalis. The Avena genus is found in Poaceae family.

**Parent Product**

242 - Food - Plant Source, Oat Avena sativa

**Related Products**

329 - Food - Plant Source, Whole Grain Oat

**Published Data**

In PMID 8581843, eighteen of 34 patients had a positive skin prick test. Oral challenges were performed, and five of the 18 had a positive response to oats. One additional person reacted to the oral challenge, but was negative by skin prick test. In PMID 7560636, 29 individuals were skin prick tested with oat extracts, 18 gave a positive result. DBPCFC was performed on all 18, only 5 gave a positive result. This is a false positive rate of 72%

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
231_ Allergy 54 - 630.pdf	10435480	Figueredo, E.	1999
242_ J Allergy Clin Immunol 96 - 341.pdf	7560636	Jones, S.M.	1995
243_ Clin Exp Allergy 25 - 1100.pdf	8581843	Varjonen, E.	1995

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 330 - Food - Plant Source, Yeast, Baker's Saccharomyces cerevisiae**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

**Search Strategy**

PubMed: yeast allergy; Baker's Yeast allergy; Saccharomyces cerevisiae allergy; yeast allergy extract

Google: yeast allergy; yeast allergy adverse; yeast allergen; yeast allergen adverse; same search results performed for Saccharomyces cerevisiae

**Nomenclature**

Since bakers' and brewer's yeast are both Saccharomyces cerevisiae, then these two products are considered the same for review. According to ITIS, the scientific name, Saccharomyces cerevisiae, is correct and current. Synonyms are Candida robusta and Saccharomyces ellipsoideus. The Saccharomyces genus is found in the Saccharomycetaceae family

**Parent Product**

330 - Food - Plant Source, Yeast, Baker's Saccharomyces cerevisiae

**Published Data**

PMID 8568127: A man with allergic reaction while working at a bakery was skin prick tested with extracts of dry and wet yeast. He reacted positively to a 1:100 dilution of both. He also had positive bronchial challenge to these extracts.

PMID 17042133: A man skin tested positive to food quality yeast extract. He also had IgE to the yeast extract as shown by RAST.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
330_ J Allergy Clin Immunol 97 - 130.pdf	8568127	Belchi-Hernandez, J.	1996
331_ Ann Allergy Asthma Immunol 97 - 294.pdf	17042133	Airola, K.	2006

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II

**Product: 331 - Food - Plant Source, Yeast, Brewer's Saccharomyces cerevisiae**

**Manufacturers of this Product**

Antigen Laboratories, Inc. - Liberty, MO (Lic. No. 468, STN No. 102223)

Hollister-Stier Labs, LLC - Spokane, WA (Lic. No. 1272, STN No. 103888)

ALK-Abello Inc. - Port Washington, NY (Lic. No. 1256, STN No. 103753)

**Search Strategy**

PubMed: yeast allergy; Brewer's Yeast allergy; Saccharomyces cerevisiae allergy; Brewer's yeast Saccharomyces cerevisiae allergy

Google: yeast allergy; yeast allergy adverse; yeast allergen; yeast allergen adverse; same search results performed for Saccharomyces cerevisiae

**Nomenclature**

Brewer is another name for distiller. Since bakers' and brewer's yeast are both Saccharomyces cerevisiae, then these two products are considered the same for review. According to ITIS, the scientific name, Saccharomyces cerevisiae, is correct and current. Synonyms are Candida robusta and Saccharomyces ellipsoideus. The Saccharomyces genus is found in the Saccharomycetaceae family

**Parent Product**

331 - Food - Plant Source, Yeast, Brewer's Saccharomyces cerevisiae

**Published Data**

PMID 8568127: A man with allergic reaction while working at a bakery was skin prick tested with extracts of dry and wet yeast. He reacted positively to a 1:100 dilution of both. He also had positive bronchial challenge to these extracts.

PMID 17042133: A man skin tested positive to food quality yeast extract. He also had IgE to the yeast extract as shown by RAST.

<u>Documents</u>	<u>PubMed Number</u>	<u>Author</u>	<u>Year Published</u>
331_ Ann Allergy Asthma Immunol 97 - 294.pdf	17042133	Airola, K.	2006
330_ J Allergy Clin Immunol 97 - 130.pdf	8568127	Belchi-Hernandez, J.	1996

**Panels:**

	<u>Original Panel Recommendation</u>	<u>Reclassification Panel Recommendation</u>
<u>Diagnosis:</u>	Category IIIA	Category I
<u>Therapy:</u>	Category IIIA	Category II