

Teaching Systems

Engage and inspire
your students with
an active learning
experience



Engage your students with hands-on exercises for life science

ADInstruments range of teaching systems provide a complete solution for your teaching needs. With our easy-to-use hardware and practical, insightful content, you can guide your students to a deeper understanding of key scientific concepts - from introductory to advanced studies.

Fields include:

[Physiology](#) • [Sports Science](#) • [Biology](#)
[Psychophysiology](#) • [Pharmacology](#)

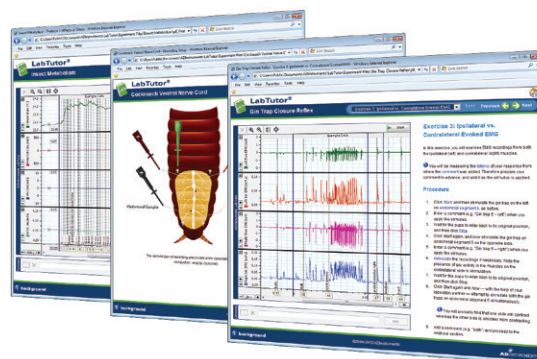
Each system provides the equipment for a diverse range of exercises: PowerLab multi-purpose data acquisition hardware; LabChart research-grade software; LabTutor self-guided exercises with blended learning options; and transducers and accessories.

Hands-on activities throughout the lesson enable students to develop practical skills and increase understanding through exploration and discovery.



Highlights

- Active learning exercises for deepening student understanding
- 650 exercises ready-to-teach
- Set of tools for cardiovascular, respiratory, psychophysiology exercises and more
- Easy-to-use systems with research-grade and blended learning software
- Customizable systems with cost-effective kits for specialty areas



Multi-purpose Teaching Solutions

Choose from a range of teaching systems to suit your needs and budget. Whichever system you choose, you can add specialist kits to extend the capabilities of your system.



Intermediate Teaching System

A comprehensive starter system for human cardiovascular, muscle and breathing exercises.



Advanced Teaching System

This system extends your exercise capabilities to include nerve responses and respiratory exercises.



Ultimate Teaching System

Combines all items in Advanced Teaching System with the additional hardware for isolated animal tissue studies.

PowerLab 26T



The PowerLab 26T has human approved dual bio amp, human isolated stimulator, trigger and 2 to 4 general-purpose inputs.

✓ **LabChart** ✓ **LabTutor**



Advanced Teaching System. For a full list of systems and components visit: adi.to/completesystems



Human Respiratory Kit

System Comparison

Teaching System Contents	Intermediate	Advanced	Ultimate
PowerLab 26T Series Unit	✓	✓	✓
LabChart Software and LabTutor Learning Suite	✓	✓	✓
Transducers and Accessories for Physiology Experiments	✓	✓	✓
Human Respiratory Kit	-	✓	✓
Nerve and Muscle Kit	-	-	✓

Specialist Teaching Solutions



Psychophysiology Teaching System

The Psychophysiology Teaching System is a teaching bundle that offers the PowerLab 26T together with signal conditioners and transducers to meet the needs of Psychology courses.



✓ **PowerLab** 26T

✓ **LabChart** ✓ **LabTutor**



Neurobiology Teaching System

The Neurobiology Teaching System for intracellular and extracellular electrophysiology exercises. Supplied with high speed PowerLab 4/26 and LabChart software.



PowerLab 4/26



The PowerLab 4/26 is an economically priced 4 channel data acquisition featuring 4 analog inputs.

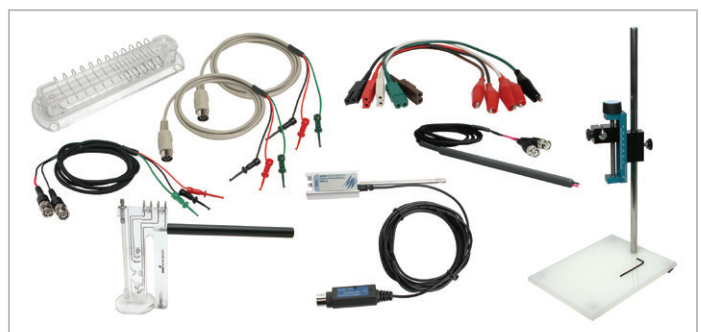
✓ **LabChart**



Expand your curriculum by adding a specialty kit

Kits include:

- EOG Kit
- Exercise Breathing Kit
- Exercise Physiology Kit
- Human Respiratory Kit
- Isolated Heart Kit
- Nerve and Muscle Kits
- Pharmacology Kits
- Physiology Accessory Kit
- Psychophysiology Kit
- Reflex Kit
- Stimulus Presentation Kit
- Wireless Heart Rate Kit
- Biochemical Kit



Nerve and Muscle Kit for isolated animal tissue studies. This kit is included with the Ultimate Teaching System.

Teaching Software

LabChart Software

This research-grade software records, displays and analyzes life science data, with the option of adding the LabChart Pro Student License and the free LabChart Reader.

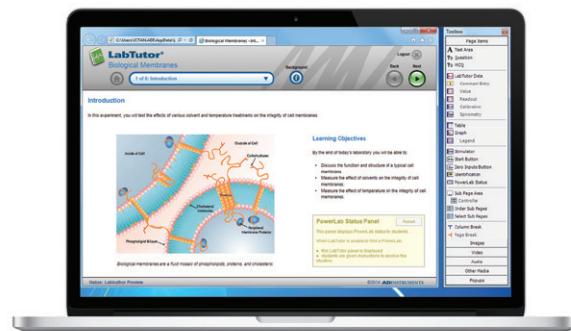
To save you valuable time in creating course materials, we have developed over 150 LabChart exercises for:

- Animal physiology
- Biochemistry
- Biology
- Human physiology
- Psychophysiology

Each teaching exercise includes Instructor Guides, Student Protocols, Settings Files and preconfigured Laboratory reports. Any of these exercises can be customized quickly and set up easily for your laboratory class.

LabChart Reader is a free application that allows you and your students to share, present, view and conduct limited analyses of LabChart data.

LabChart Pro Student License gives students access to the full research version of Labchart Pro for a six month period, including all Add-Ons but no sampling. A cost-effective analysis solution for advanced students.



LabTutor Learning Suite

Active learning supported by video, audio, quizzes and more, for use in class. LabAuthor tools come with the suite to help you include new content or add your own creative touch to lessons.

Engage your students in and out of the classroom with over 500 LabTutor life science exercises for:

- Animal physiology
- Biochemistry
- Exercise physiology
- General Biology
- Human physiology
- Neurobiology
- Pharmacology
- Psychophysiology
- Medicine
- Nursing



Student-Centered Learning

Students are intuitively guided through exercises, starting with objectives and background information, to measurement and evaluation of physiological data, through to final analysis and report.



Create Your own Content

Adapt existing content or create your own LabTutor learning module. LabTutor puts you in control of your course.



Efficient and Effective Teaching

Teachers can make the most of contact time with students. Administrators can easily manage any number of courses and students.

Find out more, see the latest equipment and download experiments for your life science laboratory at:

www.adinstruments.com/education

PowerLab systems and signal conditioners meet the European EMC directive. ADInstruments signal conditioners for human use are approved to the IEC60601-1 patient safety standard and meet international standards. ISO 9001: 2008 Certified Quality Management System. PowerLab and LabChart are trademarks of ADInstruments Pty Ltd. All other trademarks are the property of their respective owners.



ADInstruments Worldwide

Australia | Brazil | Europe | India | Japan | Mainland China | Middle East | New Zealand | North America | Pakistan | South America | South East Asia | United Kingdom