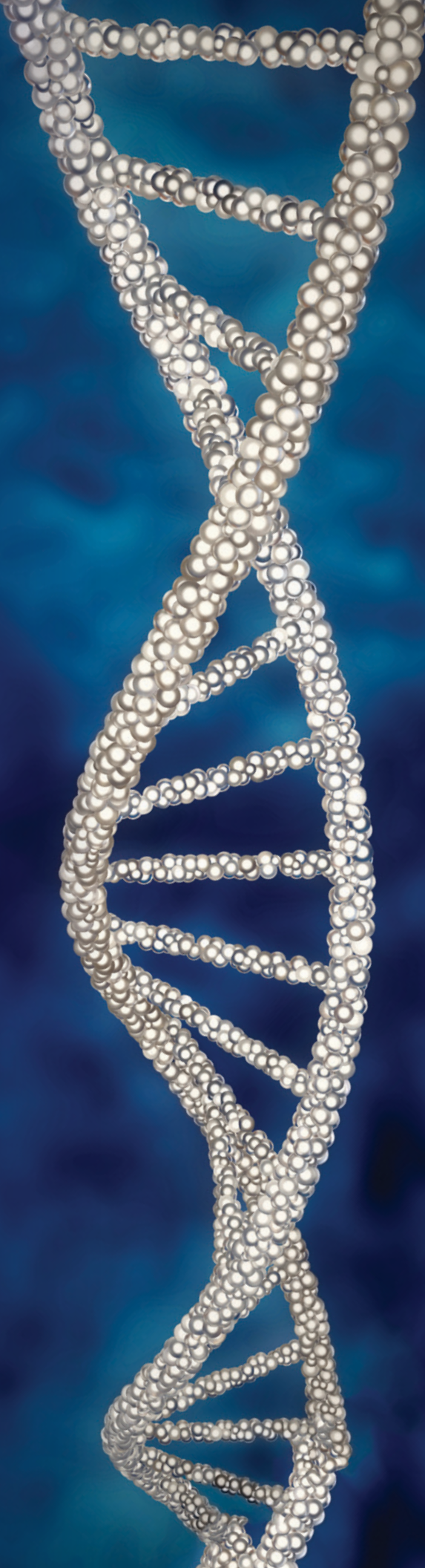




Human genotyping solutions

Genotyping technologies to suit your needs



Robust and reliable human genotyping solutions tailored for you

Research into the genetic variation of humans has expanded our understanding of evolution, provided insight into common and rare diseases, accelerated the pace of drug development, and paved the way toward the future of precision medicine. Scientists employing genotyping analysis are aiming to untangle the often complex relationships between genotype and phenotype in studies focusing on single-nucleotide polymorphisms (SNPs), insertion or deletion polymorphisms (indels), and copy number variants (CNVs).

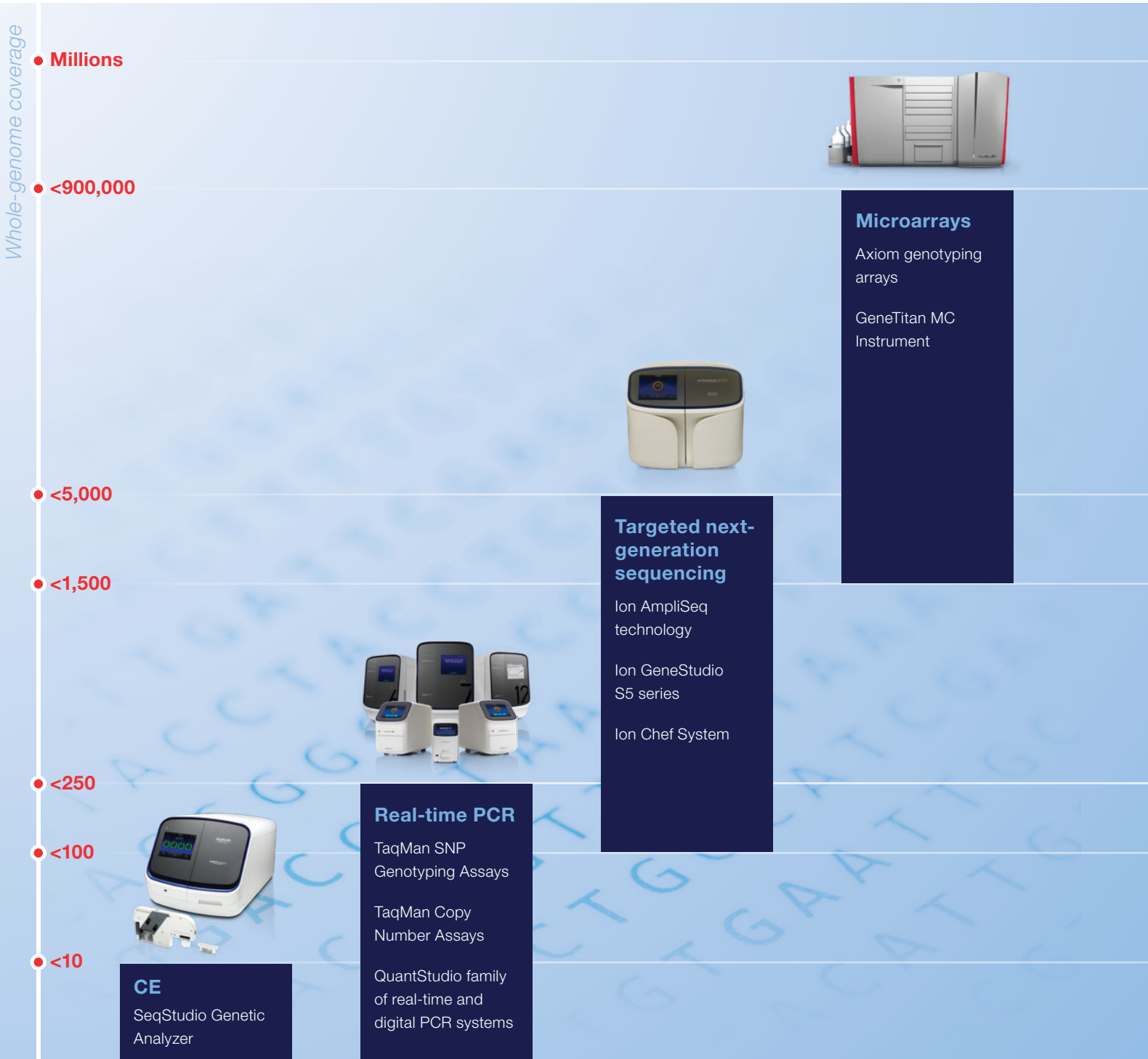
We offer a comprehensive portfolio of genotyping solutions for SNP, indel, and CNV analysis that support all stages of your workflow, from large-scale discovery to targeted use in routine applications. We have a proven track record of partnering with scientists in order to understand their specific needs and recommend the best product and content for their project.

Don't be limited by your technology—we're here to help you find the best genotyping tool for your study, no matter the number of markers or number of samples.

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Our comprehensive portfolio of human genotyping solutions



Number of markers

We offer a wide range of accurate and robust technologies to facilitate human genotyping research. Whether you are starting a large-scale genetic epidemiology study, or simply looking to confirm the identity of a few markers, our expertise and comprehensive portfolio of tools can help you get there quickly and efficiently.

Genotyping microarrays

Axiom genotyping solution

Used in many of the world’s largest genetic studies, our portfolio of array-based genotyping solutions are ideal for everything from genome-wide analysis to routine screening of complex genetic traits. Applied Biosystems™ Axiom™ genotyping arrays offer high imputation accuracy and flexible modular designs, and they assure 100% consistency of content.

Choose from a variety of predesigned arrays, modify an existing design, or create a completely custom array with exactly the content you need. We partner with you to help ensure you have the best genotyping panel for your studies.

- Key features:**
- Ability to interrogate indels and candidate SNPs that have high GC content or interfering SNPs in the flanking sequences
 - Designs that offer better imputed genotype accuracy
 - 100% consistent manufacturing process, ensuring every SNP is on every array, every time
 - Scalable, high-throughput formats for medium-to-high-density genotyping applications
 - Fully automated workflow that can process up to 8 array plates per week with a single Applied Biosystems™ GeneTitan™ Multi-Channel (MC) Instrument
 - Powerful yet simple data analysis software included at no extra cost

Catalog and custom 96- and 24-array plates

Automated and manual target preparation options

Robust, reliable assay

Hands-free, automated array processing

Simple, free automated analysis software

Export tools and companion modules

Axiom genotyping solution includes arrays with genotype-tested content from the Applied Biosystems™ Axiom™ Genomic Database or *de novo* markers important to you. The full solution comprises arrays, reagents, automated and manual workflows, and simple, free data analysis software.

Service and support

Comprehensive instrument warranty

Our factory-trained and certified field service engineers (FSEs) deliver the highest quality of service and technical expertise. Your warranty covers all repair costs, including engineer time and travel.

Service and support plans

We provide complete post-warranty support with our professional consulting services to help you maintain productivity, maximize the value of your investment, and optimize performance. With a service and support plan, you can have lower, more predictable operating costs, enabling more running time on reliable instruments.

- Flexible and configurable support solutions
- Prioritized response based on your business demands
- Optimum reliability via scheduled preventative system maintenance
- Optimum workstation performance and latest software updates
- Discounted optional services and support products (varies by region)
- Predictable operating cost

How to reach us

To find your local support or technical support team,
go to **thermofisher.com/contactus**

For product FAQs, protocols, training courses, and webinars,
go to **thermofisher.com/technicalresources**

Find out more about our genotyping solutions at
thermofisher.com/genotyping

ThermoFisher
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