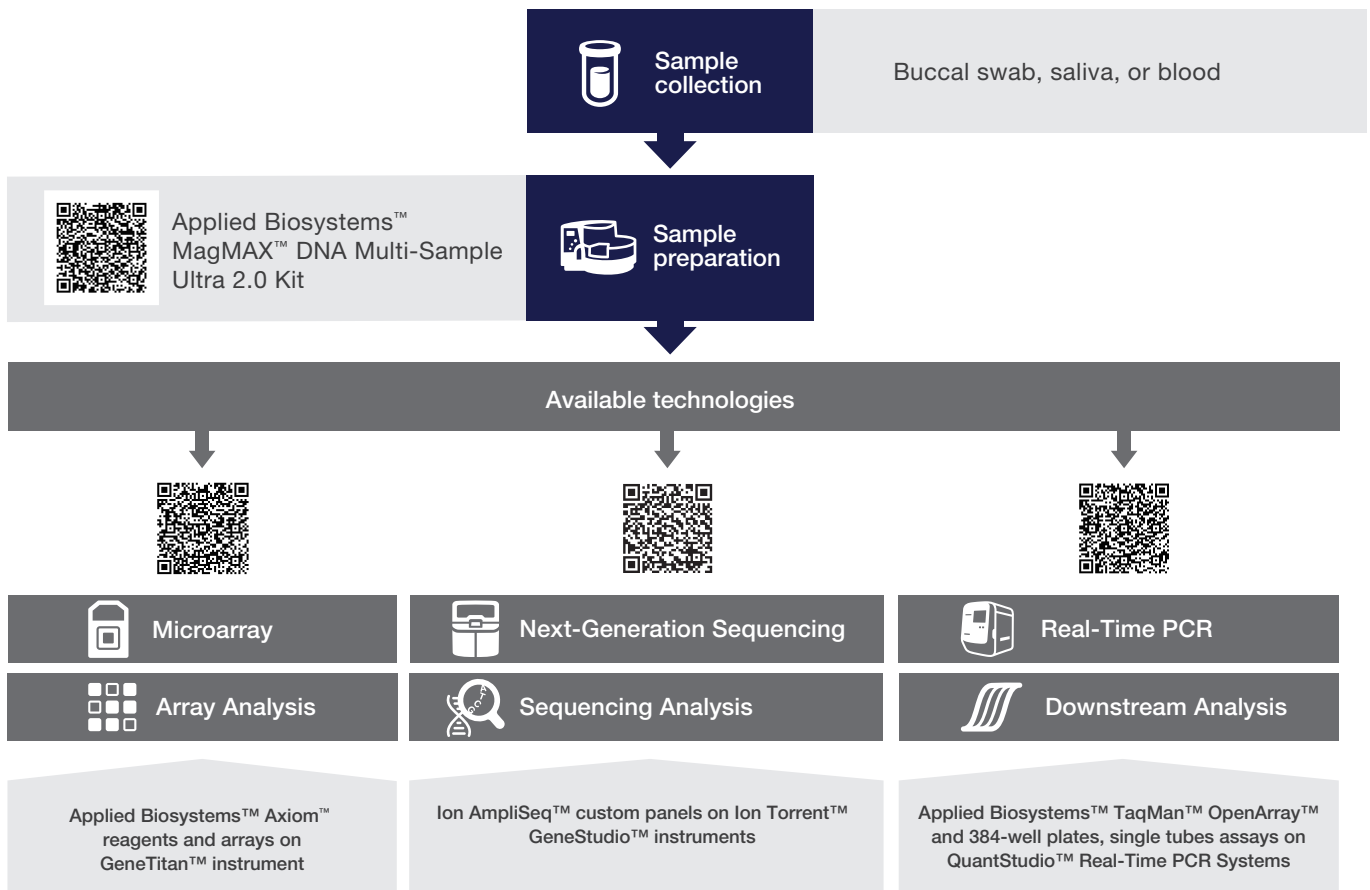


Comprehensive solutions for your pharmacogenomics research

Thermo Fisher Scientific provides solutions for pharmacogenomic testing, including Microarray, Next-Generation Sequencing (NGS), and Real-Time PCR technologies. These advanced tools enable clinical research focused on exploring the influence of genetic variations in preventing adverse drug reactions and optimizing the effectiveness of medical interventions.

Applied Biosystems™ TaqMan™ Real-Time PCR technology specific DNA or RNA sequences, Ion AmpliSeq™ panels enable exploration of new research possibilities using NGS analysis, and Microarray technology facilitates a broad view of an individual's genetic profile. With our comprehensive approach, we support pharmacogenomics research to help inform decision-making and enhance the quality of medical care provided.



Which of our cutting-edge technologies and solutions fit your specific needs

Technology	Microarray	NGS	Real-time PCR
Products	Applied Biosystems™ PharmacoScan™, Axiom™ PharmacoFocus™ Solutions and Axiom™ PangenomiX Array	Ion AmpliSeq™ custom panels	TaqMan™ OpenArray™ Plates, TaqMan™ Array Cards, TaqMan™ Array Plates and single tube assays
Applications	Genotyping, CNV, HLA	Genotyping, CNV	Genotyping, CNV*
Platform instrument models	Applied Biosystems™ GeneTitan™ MC Fast Scan	Ion GeneStudio™ S5 System	Applied Biosystems™ QuantStudio™ Real-Time PCR Systems: 3, 5, 6 Flex & 6 Pro, 7 Flex & 7 Pro, 12K Flex
Number of targets	2,000 ~ 5,000 targets	12 ~ 1,200 targets	Up to 240 targets
Sample input	10ng - 25 ng	10ng	5 ng – 25 ng
Throughput	24 or 96 format	8 or up to 96 samples in a single batch	Up to 144 samples
Average time to Results	3 days	26 hrs to 2 days	4-7 hrs
Ordering options	Off-the-shelf and custom	Predesigned community panel and custom**	Off-the-shelf and custom
Highlights	Cost-effective, reproducible, and scalable solution for translational researchers	Optimized targeted sequencing with powerful Ion AmpliSeq™ technology	Low cost per sample, fast time to results and low DNA input

* Application supported via separate workflow

** Please contact Support Service for customization

Want to explore the pharmacogenomic workflows in more details?



**MagMAX genomic DNA and
nucleic acid extraction solutions**



**Microarrays for Preemptive
Pharmacogenomics**



**Next-Generation Sequencing and
Ion AmpliSeq™ Pharmacogenomics
Research Panel**



**Real-Time PCR System and
TaqMan™ PGx arrays and assays**

Learn more at [Learn more at thermofisher.com/pgx](https://www.thermofisher.com/pgx)

For Research Use Only. Not for use in diagnostic procedures. © 2024 Thermo Fisher Scientific Inc. All rights reserved.

All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified.

TaqMan is a trademark of Roche Molecular Systems, Inc., used under permission and license. **OTH-8293211**