



QuantStudio™ services at OHSU

- qPCR gene expression
- TaqMan® genotyping
- digital PCR
- miRNA profiling

life
technologies™

The all-in-one qPCR instrument

Combining flexible throughput capabilities with a streamlined workflow, the QuantStudio™ 12K Flex system takes you from targeted discovery through confirmation and screening, all on a single platform.

Maximum throughput, minimal resources

- Produces more than 110,000 data points in an 8-hour day
- Simple high-throughput OpenArray® workflow
- Nanoliter volumes save precious samples and reduce reagent costs

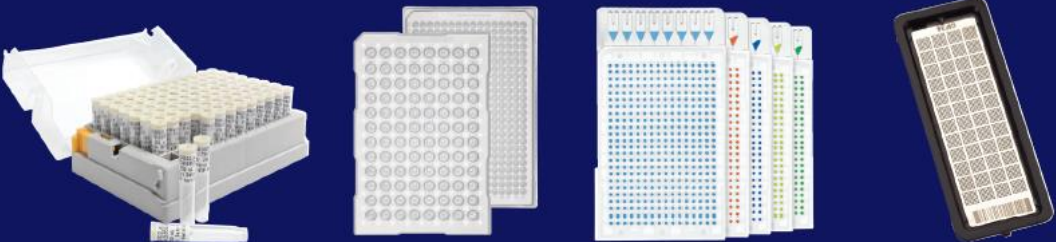
Outstanding flexibility

- 5 interchangeable blocks enable 1 to 12,000 data points per run
- Enhanced OptiFlex® System gives great flexibility, range of chemistry, and multiplex options
- Seamless switching from real-time PCR to digital PCR

Scales to your research

- Scales seamlessly from 96 or 384 wells to 3,072 wells
- Quick and simple block changes
- Automation capable with ample data storage and convenient remote monitoring

The QuantStudio™ 12K Flex system's 5 interchangeable blocks support TaqMan® Assays in a format to fit your needs.



Single-tube TaqMan® Assays TaqMan® Assays in 96- and 384-well plates 384-well TaqMan® Array cards QuantStudio™ 12K Flex OpenArray® plates



OHSU CORE SERVICES

OHSU Main Campus

Gene Profiling Shared Resource
Oregon Health & Science University
5th Floor, Richard Jones Hall
3181 SW Sam Jackson Park Road
Portland, OR 97239-3098

Primary Contact: Chris Harrington, Ph.D.
E-mail: harringc@ohsu.edu
Ph: 503-418-2737

Lab Contact: Britt Daughtry, Core Lab Manager
E-mail: daughtry@ohsu.edu
Ph: 503-418-9738

SERVICE OFFERED:

- *TaqMan® Array Card qPCR services
- *TaqMan® 384-well project based qPCR expression and genotyping services
- *96-well custom and fixed content services

OHSU West Campus Core

ONPRC MCB Core West Campus
Oregon National Primate Research Center
Oregon Health & Science University
505 NW 185th Avenue
Beaverton, OR 97006-3448

Primary Contact: Eliot Spindel, Ph.D
E-mail: spindele@ohsu.edu

Lab Contact: Yibing Jia, Core Manager
E-mail: jjay@ohsu.edu
Ph: 503-690-5525

SERVICE OFFERED:

- *TaqMan® OpenArray®

SPECIAL PROMOTION

OHSU Core services labs will receive promotional pricing as follows:

Up to 50% off*:

- TaqMan® gene expression signature plates and arrays
- TaqMan® 384-well gene signature cards
- OpenArray® gene expression pathway
- OpenArray® pharmacogenomic panels
- TaqMan® microRNA cards and arrays

Custom project discounts: Up to 40% off any custom assays, arrays, or cards through Life Technologies when using Core Services (only products from Life Technologies are discounted; core services will still be charged at standard rates)

For promotional pricing, please contact Yibing Jia (OHSU), Britt Daughtry (OHSU) Jesse Tsai (LIFE), or Mary Wittig (LIFE)

*including but not limited to panels related to stem cells, cancer, apoptosis, cardiology, cell cycle, infectious disease, neurology, drug metabolism, and many more

TaqMan® Assays and reagents

The TaqMan® Assay family is the most comprehensive set of products available for gene expression, noncoding RNA, copy number variation, SNP genotyping analysis, mutation detection, and protein expression—from off-the-shelf gene-specific probe and primer sets to custom probes and primers manufactured with your desired sequences, and everything in between.

All assay products use TaqMan® probe-based chemistry—the gold standard in allelic discrimination and quantitative gene expression—offering high sensitivity, specificity, and reproducibility, and broad dynamic range. To get from sample to result, a wide range of instruments and reagents tailored for quantitative PCR offer unrivaled performance for both routine and challenging applications.



TaqMan® Assay applications

Choose from performance-guaranteed* predesigned primer and probe sets, or customize your own



Gene expression analysis

TaqMan® Gene Expression Assays offer 1.3 million primer/probe sets for 23 species and selected pathogens, with your choice of FAM™ or VIC® dye labels. Custom Plus and standard Custom Assays enable you to study the expression of any gene or splice variant in any organism.



Drug metabolism genotyping

Choose from over 2,700 unique TaqMan® Drug Metabolism Genotyping Assays to detect polymorphisms in all known high-value DME pharmacogenetics markers, including PharmaADME core markers.



MicroRNA and noncoding RNA analysis

Innovative TaqMan®-based products and related tools, for miRNA and noncoding RNA research from isolation through discovery.

- Long noncoding RNA quantification
- miRNA profiling
- pri-miRNA quantification
- Small RNA quantification
- Targeted miRNA quantification



Protein expression

Revolutionary TaqMan® Protein Assays enable fast, easy identification and relative quantification of protein markers from limited quantities of cultured cells. Choose from predesigned assays, or create your own using your antibodies.



SNP genotyping

Choose from 4.5 million predesigned human and mouse TaqMan® SNP Genotyping Assays, or Custom TaqMan® SNP Genotyping Assays, in various sizes.



Copy number variation

TaqMan® Copy Number Assays provide over 1.6 million predesigned assays with genome-wide coverage for human and over 180,000 assays targeting gene exons for mouse, as well as Custom Plus and standard Custom Assays.



Somatic mutation detection

TaqMan® Mutation Detection Assays detect and measure somatic mutations in genes associated with cancer, using castPCR™ technology.

For more information, please contact your Life Technologies Sales Representative:

Jesse Tsai, Genetic Analysis Representative, jesse.tsai@thermofisher.com

Mary Wittig, Consumables, mary.wittig@lifetech.com