



## 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

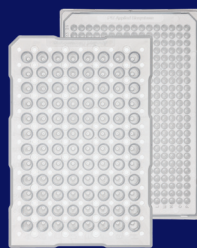
## Scales to your research

- 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.



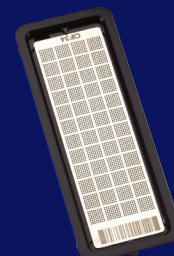
Single-tube  
TaqMan® Assays



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.  
Director, Integrated Genomics Laboratory Director,  
Gene Profiling Shared Resource  
E-mail: harringc@ohsu.edu  
Ph: 503-418-2737

### 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: jia@ohsu.edu  
Ph: 503-690-5525

### SERVICE OFFERED:

- \*TaqMan® OpenArray®
- \*Digital PCR

## SPECIAL PROMOTION

Until the end of 2014, the OHSU Core services labs will receive promotional pricing as follows:

### 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; services will still be charged standard rates)

For promotional pricing, please contact Yibing Jia (OHSU), Chris Harrington (OHSU), Charlie Dubois (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:

**Charlie Dubois, Molecular Biology Instruments, [charlie.dubois@lifetech.com](mailto:charlie.dubois@lifetech.com)**

**Mary Wittig, Consumables, [mary.wittig@lifetech.com](mailto:mary.wittig@lifetech.com)**