



Research Models  
and Services

# Molecular Oncology Services

The Envigo Genetic Services operations in North America provide global molecular oncology services. For over 10 years, Envigo has partnered with the Bionomics Research Technology Center (BRTC) at Rutgers University to offer a full spectrum of quality genetic testing services. This strategic partnership allows access to the worldwide experts in functional genomics.

Envigo offers state of the art technology, quick turn-around times, data archival for up to five years, and technical and bioinformatics specialists to help support your oncology research project.

FEATURES	ADVANTAGES
<p><b>DNA/Mutation Analyses</b> – Investigate the structure of the genetic architecture in your oncology model with the following services:</p> <ul style="list-style-type: none"> <li>+ Genotyping</li> <li>+ Whole Genome Array-Based Analysis</li> <li>+ Array Comparative Genomic Hybridization (CGH)</li> <li>+ Methylation Analysis</li> <li>+ Next-Gen Sequencing</li> </ul> <p><b>RNA/Expression Analyses</b> – Investigate the function of the gene or genes of interest in your oncology model with the following services:</p> <ul style="list-style-type: none"> <li>+ Quantitative PCR (QPCR)</li> <li>+ Whole Transcriptome Microarray Analysis</li> <li>+ RNAseq</li> </ul>	<ul style="list-style-type: none"> <li>+ Reduces testing variables due to sourcing from one high-quality vendor</li> <li>+ Offers customized testing for maximum flexibility and value</li> <li>+ Supports your project with technical and bioinformatics specialists</li> <li>+ Provides experimental design consultation</li> <li>+ Delivers quick turn-around times</li> <li>+ Archives data securely for up to five years</li> </ul>

## Additional Information:

Service	Turn-Around Time*	Technology
<b>DNA/Mutation Analyses</b>		
Genotyping	3 days	Applied Biosystems®
Whole Genome Genotyping	1 week	Affymetrix®/Illumina®
Array Comparative Genomic Hybridization (CGH)	1 week	Agilent®
Methylation Analysis	2 weeks	Nimblegen®/Agilent®
Next-Gen Sequencing	4–6 weeks	Illumina®/Applied Biosystems®
<b>RNA/Expression Analyses</b>		
Quantitative PCR	3 days	Applied Biosystems®/Roche®/Fluidigm®
Whole Transcriptome Microarray Analysis	2 weeks	Affymetrix®/Illumina®/Agilent®
RNAseq	2–4 weeks	Illumina®/Applied Biosystems®

\* Turn-around time listed is approximate. Specific turn-around times are subject to client project parameters and volume of samples to be analyzed.

Shipping Information: Envigo also offers assistance with shipping from both domestic and international locations to ensure that your samples arrive at our laboratory safely.

The Envigo Molecular Oncology Services program for oncology researchers provides a consistent, reliable technology to help you preserve your most precious resource – time.

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