Saint John's Cancer Institute

Saint John's Health Center
Providence

SJCI High-Throughput Sequencing Facility

Core Lab Contact:

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HTG Molecular Contact:

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EdgeSeq from HTG Molecular is extraction-free, next-generation sequencing (NGS)-based RNA expression profiling technology specifically designed for difficult sample types such as FFPE tissue and biofluids.

- Sensitivity and dynamic range of NGS paired with the specificity of the HTG EdgeSeq chemistry
- Extraction-free sample preparation
- Low sample input (6mm² of a 5um tissue section or 15 uL of any biofluid)

HTG EdgeSeq Oncology Biomarker Panel (OBP)

2,560 human cancer, pathway, mechanism of action, and system biology biomarkers.

HTG EdgeSeq Precision Immuno-Oncology Assay (PIP)

1,392 human genes implicated in host immune response.

HTG EdgeSeq miRNA Whole Transcriptome Assay (miRNA)

2,083 human miRNA transcripts compatible with FFPE tissue, all biofluids and exRNA.

HTG EdgeSeq Lymphoma Panel (PANB)

- 300 lymphoma transcriptome genes characterizing aggressive, indolent and rare lymphomas
- Human lymphoma-associated genes for subtyping lymphomas (ABC vs. GCB. vs. intermediate subtyping).

HTG EdgeSeq Immune Response Panel (IRP)

2,003 human immune response and autoimmune mRNA targets.

HTG EdgeSeq Mouse mRNA Tumor Response Panel (TRP)

1,659 mouse-specific genes implicated in oncology, inflammation and immune response.

Price per sample (includes sample prep, sample QC, sequencing, and data QC & analysis)

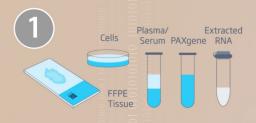
Assay/Panel	Sample Types	24 samples	48 samples	96 samples
OBP - Human	FFPE, Cells, PAXgene, exRNA	\$425/sample	\$400/sample	\$375/sample
PIP - Human	FFPE, Cells, PAXgene, exRNA	\$425/sample	\$400/sample	\$375/sample
miRNA - Human*	FFPE, Cells, PAXgene, exRNA, Biofluids, EVs	\$425/sample	\$400/sample	\$375/sample
PANB - Human	FFPE, Cells, PAXgene, exRNA	\$425/sample	N/A	\$375/sample
IRP - Human	FFPE, Cells, PAXgene, exRNA	\$425/sample	\$400/sample	\$375/sample
TRP - Human	FFPE, Cells, exRNA	\$425/sample	\$400/sample	\$375/sample

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^{*}Mouse and Rat shared homology chart available upon request

HTG EdgeSeq Workflow



Sample Preparation

4 hours (30 min. hands-on time)



Target Protection

20 hours (10 min. hands-on time)



Library Amplification

2 hours (60 min. hands-on time)





Cleanup

1-3 hours (60 min. hands-on time)



Library Quantitation and Normalization



Next Generation Sequencing

6-10 hours (30 min. hands-on time)





Data Analysis

15-30 minues (5 min. hands-on time)



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