



Sample to answer
in approximately
36 hours: HTG's
simplified NGS-based
workflow requires
little hands-on time.



Product Overview

The HTG EdgeSeq system simplifies molecular profiling.

The HTG EdgeSeq processor, assays, and parser software facilitate analysis of molecular profiles from a wide variety of specimen types to accelerate discovery, support translational medicine and evaluate target biomarkers for companion diagnostics applications.

The HTG EdgeSeq processor utilizes extraction-free specimen preparation and nuclease protection chemistry to automate preparation of mRNA and miRNA libraries for next-generation sequencing (NGS) analysis.

HTG solutions enable fast, reliable, reproducible, and quantitative analysis of thousands of targeted RNAs from a single assay in approximately 36 hours with little hands-on time from sample prep through data analysis.

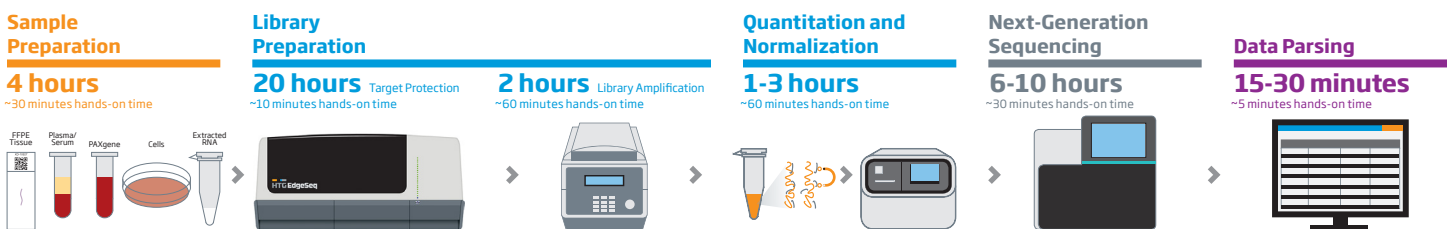
Features and Benefits

- Automation solutions quickly and reliably generate gene expression profiles
- Multiplex hundreds or thousands of different targets in a single reaction
- Simplified NGS-based workflow for fewer hands-on steps
- Intuitive graphic user interface (GUI) and simple data analysis

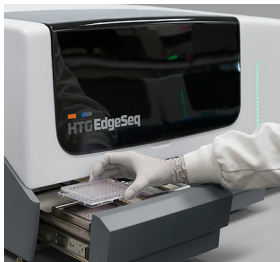
HTG EdgeSeq Workflow

HTG's extraction-free chemistry reduces sample input requirements preserving valuable specimens. The HTG EdgeSeq chemistry eliminates timely and technically challenging steps – cDNA synthesis, size selection, rRNA depletion, end repair, and adapter ligation. HTG leverages the power of NGS and yields aligned data that accurately and reproducibly quantitates molecular profiles.

Used with next-generation sequencing instrumentation, the HTG EdgeSeq system produces gene expression profiles in approximately 36 hours.



No RNA extraction.
No cDNA synthesis.
No size selection.
No rRNA depletion.
No end repair.
No adapter ligation.



Specifications

Performance Specifications

Test Type	mRNA, miRNA
Specimen Types	Cell lines and fixed or frozen tissue, plasma, serum, PAXgene, extracted RNA
Multiplexing	Up to 2,255 genes per well
Processor Run Time	20 hours sample and library prep
Format Type	96-well microtiter plate
System Modularity	Up to 6 processors per host PC
Detection System	Next-generation sequencing

General Specifications

Product Number	HTG Edge-SQ-100 (Processor and Host PC)
Configuration	Benchtop
Processor Weight	225 lbs (102 kg)
Processor Size	17.3 in H x 36.0 in W x 24.0 in D (43.9 cm H x 91.4 cm W x 61.0 cm D)
Operating Environment	15°C - 30°C (59°F - 86°F) / 10% - 90% non-condensing
Input	110 - 120VAC, 50 - 60Hz, 6Amps; 220 - 240VAC, 50 - 60Hz, 6Amps
Noise Specifications	< 65 dBA
Warranty	1 year

Ordering Information

Catalog Number	Product Description
HTG EDGE-SQ-100	HTG EdgeSeq system
HTG EDGE-SQ-100E	HTG EdgeSeq system CE-IVD
HTG EDGE-SP-010	HTG EdgeSeq processor
HTG EDGE-PC-001	HTG Edge system PC, algorithm, accessories

Learn More

The HTG EdgeSeq system has a number of key advantages including multiplexing from tens to thousands of biomarkers in a single sample; very low sample input requirements; simple, extraction-free sample preparation; automated workflow; and simplified data output.

The HTG EdgeSeq system is a powerful solution providing gene expression profiling results for researchers, laboratory staff, and biomarker leads pursuing discovery, translational medicine, and other oncology applications.

For more information contact HTG Molecular Diagnostics at 1-877-289-2615, info@htgmolecular.com or contact your local HTG Molecular Diagnostics representative. Visit www.htgmolecular.com