

HTG Immun-Oncology Assay Datasheet

HTG Edge

HTG Molecular Diagnostics' Immuno-Oncology Assay is available on the fully automated, award-winning HTG Edge System.

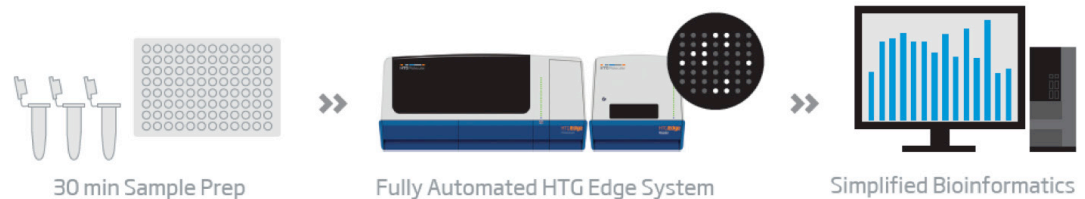
Immunotherapy is a treatment that uses the body's immune system to recognize and combat disease. While this approach can be used to treat many different diseases, immunotherapy applied to cancer (Immuno-oncology) is one of the most promising applications.

HTG Edge Immuno-Oncology Assay is designed to measure the RNA expression of 26 commonly investigated immunotherapy related genes. Twelve (12) housekeeper genes are supplied to provide a wide range of options for use with different tissue types.

Features

- Measure the RNA expression of 26 commonly investigated immunotherapy related genes
- Test multiple sample types with the same assay, such as:
 - FFPE tissue
 - Frozen tissue
 - Cell lines
- Broad set of housekeepers to allow flexibility across histologies
- Lysis-only, extraction-free chemistry. Does not require reverse transcription or amplification

Fully automated on HTG Edge System



HTG Edge Immun-Oncology Gene List

Immunotherapy

genes

- INFG
- IL12A
- TBX21
- IFR1
- GZMA
- GZMB
- GZMH
- ICAM
- PD1
- OX-40
- CD47
- IL12B
- LAG3
- CTLA4
- CD3D
- CD8A
- CD4
- CD68
- CD20
- CXCL9
- CXCL10
- CCL5

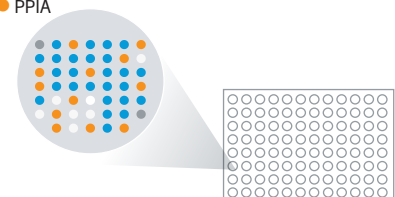
- CX3CL1
- CCL2
- VCAM
- PDL-1

Housekeepers

- ACTB
- B2M
- OAZ1
- RPL11
- SDHA
- EEF2
- RPL4
- RPLP0
- RPS29
- GAPDH
- RPL19
- PPIA

Controls

- ANT
- POS1



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Sample Input Requirements

Sample Type	Recommendation
Tissue (FFPE)	1-2 sections at 5 µm thickness (1 cm ² size)
% Tumor	>50%
% Necrosis	<20%
Cell lines, cultured primary cells	~10,000 cells

Assay kit for mRNA measurement of immuno-Oncology related genes. Kit contains all reagents, consumables and is automated on HTG Edge System.

Ordering Information

HTG Edge Immuno-Oncology Assay Product #

816-105-040

4-pack (full-plate) Assay Kit



HTG Edge System

The award-winning HTG Edge System is the only automated RNA expression platform that delivers extraction-free, multiplexed results on a multitude of biological samples (tissue, blood, serum, cells) with fast turn-around times. The fully automated system is capable of performing HTG Edge Assays utilizing minimal specimen with walk-away simplicity, eliminating the tedious extraction and amplification steps normally associated with RT-PCR.

Simple

Fully automated.
No extraction.

Accurate

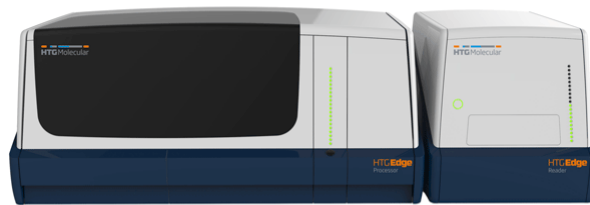
High fidelity
between fresh
and fixed tissue.

Benefits of HTG Edge System and Chemistry

- No RNA extraction - EVER
- Broad variety of biological sample types, including FFPE, frozen tissue, cells, xenografts, PAXgene and plasma
- Barcoded reagents for ease of traceability and reporting
- ISO 13485:2003 hardware/software development

Request a Quote

Call 877-289-2615 today for more information on HTG Edge System.



For Research Use Only. Not for use in diagnostic procedures.

HTG Molecular Diagnostics, Inc.
3430 E. Global Loop, Tucson, AZ 85706
Call 877-289-2615
Email info@htgmolecular.com
Website www.htgmolecular.com

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