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 Immuno-Oncology Gene List

<table>
<thead>
<tr>
<th>Immunotherapy Genes</th>
<th>Housekeepers</th>
<th>Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>INF2, IL12A, TBX21, IFI1, GZMB, ICAM, PDL1, CD47, CD48, LAG3, CTLA4, CD3D, CD8A, CD4, CD68, CD20, CXCL9, CXCL10, CCL5, CX3CL1, CCL2, VCAM, PDL1</td>
<td>ACTB, B2M, OAZ1, RPL11, SDHA, EEF2, RPL14, RPLPO, RPS29, GAPDH, RPL9, PPIA</td>
<td>ANT, POS1</td>
</tr>
</tbody>
</table>
Sample Input Requirements

<table>
<thead>
<tr>
<th>Sample Type</th>
<th>Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tissue (FFPE)</td>
<td>1-2 sections at 5 μm thickness (1 cm² size)</td>
</tr>
<tr>
<td>% Tumor</td>
<td>&gt;50%</td>
</tr>
<tr>
<td>% Necrosis</td>
<td>&lt;20%</td>
</tr>
<tr>
<td>Cell lines, cultured primary cells</td>
<td>~10,000 cells</td>
</tr>
</tbody>
</table>

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.

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.