the Omix II™ Imager

CHEMILUMINESCENCE IMAGER

The Omix II Imager* provides the high throughput imaging solution needed in high volume ArrayPlate laboratories. The imager is built around a super-cooled CCD detection chip which provides the highest quality chemiluminescence data possible for the ArrayPlate Platform. The Omix II Imager can detect single-copy transcripts from as few as 1,000 cells.

The imager is top-loading and is amenable to automation. Its fast scanning time (less than 2 minutes) ensures that imaging will not become a bottleneck in an automation-heavy work process.

The Omix II Imager improves upon the original Omix imager by incorporating improved optics that provide higher sensitivity and faster scanning. It also uses an improved cooling system which operates more quietly and requires less maintenance.

The raw data produced by the Omix II Imager is in 16-bit TIFF format. Software for extracting and analyzing the data is provided with the imager. Tabular data and archival images are available within minutes of the scan. The data is compatible with most bioinformatics sofware packages.

The Omix II imager comes with a Windows® computer optimized to run the instrument.

Sensitive and high throughput imaging for the ArrayPlate

High Throughput Genomics, Inc.

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Madison Sales Office: 8025 Excelsior Drive, Ste 102 • Madison, WI 53717 • T: 608-831-6201 • F: 608-831-6218

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#1IN908

*For research use only.

qCustom™
qNPA ArrayPlate

qSERIES qNPA™ ARRAYPLATE

HTG's qCustom ArrayPlate* platform allows you to choose up to 16 genes for high throughput expression analysis in a variety of formats. The qNPA™ ArrayPlate kits are delivered pre-configured for your specific genes and tuned to the expected gene responses that you will encounter in your experiments.

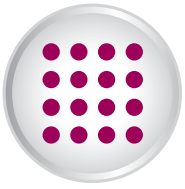
qCustom Arrays have been used to measure gene response in a variety of settings, including drug dosage response, toxicological profiling, drug lead discovery, and drug lead optimization. They are ideal and cost-effective replacements for qRT-PCR or microarray based gene analysis, and effectively and efficiently complement cell-based screening methods.

HTG currently offers the qCustom ArrayPlate in the following formats:

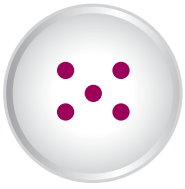
- 96-well with up to 16 genes per well measured
- 96-well with up to 5 genes per well measured
- 384-well with 4 genes per well measured

Gene expression arrays customized for your research

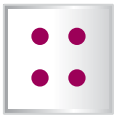
16 Genes
96-well format



5 Genes
96-well format



4 Genes
384-well format



Recent Applications of the qCustom ArrayPlate:

Stem Cell Differentiation

Cancer Research

- **Fixed Tissue (FFPE)**
- **Biomarker Validation**

Pre-clinical Safety and Metabolism

- **Dose Response**
- ***In vivo* Toxicology**
- ***In vitro* Toxicology**

Apoptosis

Lead Compound Discovery (HTS)

Lead Optimization—QSAR

HT Compound Screening of Plants

Bacterial Expression

Cell Line QC

miRNA Analysis

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