

the Capella™ Imager

CHEMILUMINESCENCE IMAGER

The Capella Imager* provides a chemiluminescence imaging capability for research groups that expect to analyze fewer than 10 ArrayPlate assays per day. The compact imager will fit on the benchtop in most labs, and provides data similar to the high throughput Omix II™ Imager.

The instrument incorporates night vision technology which images multiple panels from a 96-well plate. A typical full plate scan takes approximately 15 to 20 minutes to complete; however, the instrument can be programmed to read smaller portions of the plate in order to save time, money, and reagents.

The Capella instrument is fully compatible with all of HTG's 96-well ArrayPlate formats. It is provided with user-friendly software that produces data files which are compatible with most bioinformatics software packages.

The Capella Imager comes with a Windows® computer pre-configured to run the instrument and provide storage for the scanned data.

Benefits:

- Detection of single-copy genes in a few as 5,000 cells.
- High quality data from a small, affordable instrument.
- High image resolution provides consistent, low noise data; each individual array element (spot) is imaged by ~75 pixels to provide smooth and reproducible results.
- Exports CSV format files which are compatible with a wide range of bioinformatics software.
- Software will automatically normalize data to user-specified genes.

*Quantitative gene expression
profiling on your benchtop*



Specifications: Dimensions: 14" w, 16" d, 16" h.



World Headquarters: 3400 E. Global Loop, Ste 300 • Tucson, AZ 85706 • T: 520-547-2827 • F: 520-547-2837
Madison Sales Office: 8025 Excelsior Drive, Ste 102 • Madison, WI 53717 • T: 608-831-6201 • F: 608-831-6218

support@htgenomics.com • www.htgenomics.com

#21N908

*For research use only.

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**

**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

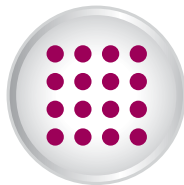
HT Compound Screening of Plants

Bacterial Expression

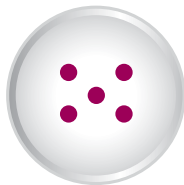
Cell Line QC

miRNA Analysis

16 Genes
96-well format



5 Genes
96-well format



4 Genes
384-well format

