



# HepatoGLO™-HT

A High Throughput, Standardized ATP Bioluminescence  
Hepatotoxicity Assay

## HepatoGLO™-HT Assay Applications

- Hepatocyte viability testing.
- High throughput *in vitro* toxicity, safety and efficacy testing for primary hepatocytes and hepatocyte cell lines.
- ADME/Tox screening.
- Cellular drug-drug interaction studies.
- Oxygen-tension response studies.

## Hepatocyte types:

- Fresh
- Cryopreserved
- Male
- Female
- Individual or Pooled lots

## Advantages of using HepatoGLO™-HT

- Can be used for fresh, cryopreserved, male or female and pooled hepatocytes or hepatocyte cell lines.
- Non-subjective, instrument-based and quantitative.
- Available for adherent or non-adherent cell culture.
- Includes HepatoGro™ Medium, but allows complete flexibility to use different protocols and culture reagents.
- Multiplex with other assays, e.g. P450, to obtain the most information from a single sample.
- Available as 2- or 4-plate or bulk assays kits with 96- or 384-well plates included.
- Fast to learn, easy to use.

## Species

- Human
- Non-human primate
- Dog
- Rat
- Mouse

## Hepatocyte cell lines

Virtually any hepatocyte cell line, e.g. HepG2, can be used with HepatoGlo™-HT

## Standardized Bioluminomics™ Technology

- Incorporates an ATP-based luciferin/luciferase bioluminescence signal.
- Measures intracellular ATP (iATP) (the cell's energy source) to determine proliferation and cell number both of which are proportional to the iATP concentration.
- Most sensitive non-radioactive signal detection readout available.
- Single addition reagent with results in 10 minutes.
- Bioluminomics™ technology allows the assay to be calibrated, standardized and, if required, validated, according to regulatory requirements.
- Complete assay kit; includes everything needed to calibrate, standardize and, if necessary, validate the assay.
- Easily compare results over time.

## Kit Contents:

- HepatoGro™ Medium
- ATP standard
- ATP controls
- ATP Enumeration Reagent
- Sterile, 96-well culture plates
- Non-sterile, 96-well plates
- Sterile, adhesive foil covers
- Instruction manual



Assays You Can Trust  
Innovative Expertise You Can Count On