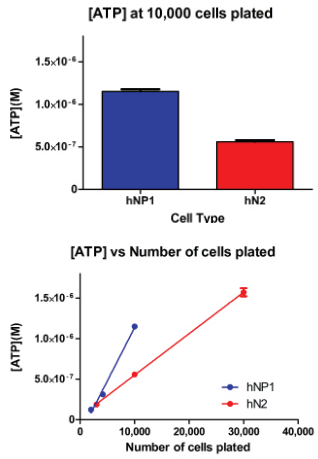
NeuroGlo™-Tox HT

An In Vitro High Throughput Neurotoxicity Assay

Uses of NeuroGlo™-Tox HT

- High throughput neurotoxicity screening
- Cell-based compound screening
- Comparative toxicity screening
- Proliferation and neurogenesis
- Neuronal differentiation
- Cell migration
- G-Protein coupled receptors
- Ion channel studies



Benefits of using NeuroGlo™-Tox HT

- A complete "turnkey" neural stem and progenitor *in vitro* toxicity assay platform
- Includes ES-derived neural stem and progenitor cells, expansion media and everything else to grow and measure neurotoxicity.
- Incorporates the most sensitive and accurate, instrument-based, ATP bioluminescence signal detection readout available. (Requires a plate luminometer).
- Includes reagents to calibrate and standardize the assay prior to measuring neurotoxicity.
- Allows results to be compared between samples over time.
- After culture, just add a single ATP-Enumeration Reagent, mix and measure bioluminescence in 10 minutes.
- Available for 96- and 384-well plates with high throughput capability.
- No need for MTT, XTT, MTS, BudR, Calcien, CellQuant® and other less sensitive assays.
- Multiplex with other assay readouts to obtained the most information from a single sample.
- Fast to learn and easy to use.
- Part of the HemoGenix® ComparaTOX™ Platform to directly compare the response of drugs and other agents to multiple cell types from different species.
- NeuroGlo™-Tox HT is also available as a contract service. Please contact HemoGenix® for more information.

ArunA hNP1 Cells

- Human ES (H9, WA09)-derived Neural Stem/ Progenitor Cells
- Feeder-free
- Serum-free growth
- Stable, diploid karyotype Adherent, proliferating cell line
- Proneural markers: >90% Nestin and Sox 2 positive
- Embryonic marker: <5% Oct-4
- Phenotypic differentiation potential:
  - Dopaminergic cells
  - Cholinergic cells
  - Glutametergic cells
  - GABA-ergic cells
  - Serotonergic cells
  - Astrocytic cells

Complete Kit Contains:

- 1 Vial ArunA hNP1 cells (frozen)
- hNP1 Neural Progenitor Expansion Kit
- ATP standard
- ATP controls
- ATP Enumeration Reagent
- Sterile 96-well plate(s)
- Non-sterile 96-well plate(s)
- Sterile, adhesive foil covers
- Assay manual

HemoGenix®
Changing the Paradigm

Assays You Can Trust
Innovative Expertise You Can Count On

ArunA BIOMEDICAL

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