ImmunoGlo™-96

ATP Bioluminescence Proliferation and Viability Assay for Immune Cells

The non-radioactive assay platform to measure immune cell proliferation, functionality, viability and cell number

Advantages of Using ImmunoGlo™-96

- Incorporates the most accurate and sensitive, non-radioactive ATP-based luciferin/luciferase bioluminescence readout available for immune applications that include, but are not limited to:
  - Testing unprimed T-cells in the presence of antibodies, enterotoxins, mitogens etc.
  - Cellular immune response studies.
  - Single-cell, T-cell cloning studies.
  - Donor Lymphocyte Infusion (DLI) samples for stimulation/induction prior to use.
  - Effect of accessory (non T-cells) on T cell induction.
  - Effect of co-stimulators on T-cell induction.
  - Effect of epitope sequences and novel peptides or proteins.
  - Testing the response of primed T-cells *in vitro*.
  - *In vitro* immunotoxicity studies.
- Non-subjective, instrument-based, fully standardized and quantitative assay system.
- ImmunoGlo™-96 can be validated for clinical applications.
- Measures intracellular ATP (iATP) (the cell's energy source) to determine proliferation and cell number both of which are proportional to the iATP concentration.
- Includes standards and controls to calibrate and standardize the assay.
- Single addition ATP Enumeration Reagent and 10 minute incubation prior to measuring luminescence.
- Easily compare results over time.
- Always reliable and reproducible results with very low coefficients of variation (CVs).
- Flexibility to use virtually any protocol, reagents and growth factors/cytokines or other immune agent stimulators or suppressors.
- 10 - 100 times more sensitive than WST-1 or CSFE assays.
- Multiplexing capability to incorporate flow cytometry and other assay readouts for additional information from the same sample.
- Easy to learn, fast to use.

The Most Powerful Assay Available for Immune Cell Studies

HemoGenix®
Changing the Paradigm

Assays You Can Trust
Innovative Expertise You Can Count On

www.hemogenix.com | Tel: 719-264-6250 | Fax: 719-264-6253 | info@hemogenix.com

ImmunoGlo™-96

ImmunoGlo™-96 can be used with:

- Peripheral blood mononuclear cells (PBMC)
- Bone marrow
- Immune tissues
- Lymphocyte subpopulations
- Lymphocyte cell lines

ImmunoGlo™-96 has been tested on tissues and cells from:

- Human
- Non-human primate
- Mouse

ImmunoGlo™-96 Assays Kits Available:

Catalog Number	Kit Size
KM1-LPA-1	1 x 96-well plates
KM1-LPA-2	2 x 96-well plate
KM1-LPA-4	4 x 96-well plate

See also ImmunoGlo™-96 MLC: Mixed lymphocyte culture assays

ImmunoGlo™-96 Assay Kit Contents:

- Base medium for assay standardization
- ATP standard
- ATP controls
- ATP Enumeration Reagent
- Sterile, 96-well culture plates
- Non-sterile, 96-well plates
- Sterile, adhesive foil covers
- Instruction manual

Other Interesting Products from HemoGenix®

- **ImmunoFluor™-96 or ImmunoLight™-96:** Lymphocyte proliferation assays.
- **ImmunoGlo™-MLC, ImmunoFluor™-MLC or ImmunoLight™-MLC:** Mixed Lymphocyte Culture/Reaction (MLC/MLR) assays.
- **ColonyGro™:** Traditional methylcellulose CFU assay reagents for primitive lymphopoietic cells.
- **CAMEO™-4**: Miniaturized methylcellulose CFU assay complete with culture plates for primitive lymphopoietic cells.
- **CellExpand™**: Ready to use, lymphopoietic progenitor cell expansion reagents.
- **HALO®-96 Research:** ATP bioluminescence assays for primitive lymphopoietic progenitor cells.
- **HALO®-96 PMT, HemoFLUOR™-96 PMT or HemoLIGHT™-96 PMT:** To determine "global" lympho-hematopoietic reconstitution.
- **MSCGlo™-96 Research:** Effect of MSC function on immune cells and visa versa.

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