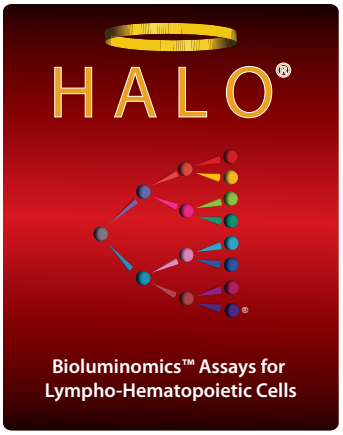

Assays for Human and Animal Lympho-Hematopoietic Stem and Progenitor Cell Research

HALO®-96 SPCA ASSAY APPLICATIONS

- All lympho-hematopoietic cell research applications.
- Detect and measuring proliferation of stem and progenitor cells of the lympho-hematopoietic system.
- Measure and compare proliferation status and/or potential between cell populations and/or species.
- Experimental transplantation model.
- Effects of growth factors/cytokines.
- *In vivo* to *in vitro* assays.
- Gene targeting assays.

SPECIES

- Human
- Non-human primate
- Horse
- Pig
- Sheep
- Dog
- Rat
- Mouse

ASSAYS AVAILABLE FOR:

Stem Cells
- 2 primitive stel cell populations
- 5 mature stem cell populations

Progenitor Cells
- 2 BFU-E cell populations
- 3 GM-CFC cell populations
- G-CFC
- M-CFC
- 2 Mk-CFC cell populations
- T-CFC
- B-CFC

Multiple Population Assays
- CFC-GEMM, BFU-E, GM-CFC, Mk-CFC
- HPP-SP, CFC-GEMM, BFU-E, GM-CFC, Mk-CFC, T-CFC, B-CFC Background

WHY USE HALO®-96 SPCA ASSAYS FOR YOUR RESEARCH

- The only assay system available to detect and measure lympho-hematopoietic proliferation. (The colony-forming cell (CFC) assay does not measure proliferation; the CFC assay is a differentiation assay).
- Distinguish between primitive and mature stem and progenitor cells.
- Provides the flexibility you need for your research.
- HALO® utilizes Suspension Expansion Culture (SEC) and Bioluminomics™ Technology that can be multiplexed with other assay readouts to obtain more information using the same sample.

FAST and EASY BIOLUMINOMICS™ TECHNOLOGY

- Incorporates an ATP-based luciferin/luciferase bioluminescence signal.
- Measures intracellular ATP (iATP) (the cell's energy source) to determine viability, cellular functionality, proliferation/cytotoxicity and cell number all of which are proportional to the iATP concentration.
- Most sensitive non-radioactive signal detection readout available.
- Non-subjective, instrument based and quantitative assay system.
- Complete assay kit; includes everything needed to calibrate, standardize and, if necessary, validate the assay.
- Easily compare results over time. Always reliable and reproduvible resuts with very low variation.
- Results in 4-5 days (depending on species).
- Easy to learn, fast to use and cheaper than the methylcellulose CFC assay.

HemoGenix®
Changing the Paradigm

Assays You Can Trust
Innovative Expertise You Can Count On

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