

HemoLIGHT™

By Preferred Cell Systems™

Absorbance Proliferation & Viability Assay for Lympho-Hematopoietic Stem and Progenitor Cells

Uses of HemoLIGHT™

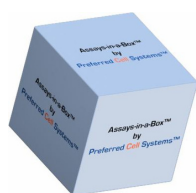
- Measure lympho-hematopoietic stem and progenitor cell viability, proliferation and growth.
- Use as a more reliable alternative CFU assay, without counting colonies, but for a similar price.
- Measure and compare proliferation ability and/or potential between tissues and cell populations.
- Perform cell population and species comparison assays.
- Experimental transplantation and gene targeting models.
- Effects of growth factors and/or cytokines.
- In vivo to in vitro assays.
- Multiplex with flow cytometry and other readouts.

Benefits of HemoLIGHT™

- An "Assay-in-a-Box™" that is a complete non-subjective, instrument-based, quantitative assay.
- Available for multiple lympho-hematopoietic stem and progenitor cells from different species.
- Uses a colorimetric/absorbance ELISA plate reader, available in most laboratories.
- Incorporates proven Suspension Expansion Culture™ Technology. No colony counting required.
- Culture in 4 days for animal cells, and 5-7 days for human cells.
- Less than 1 day training.
- Simple, time efficient, cost effective and convenient.

Assay Principle

Incorporates a tetrazolium WST-1 reagent that is reduced to a soluble yellow formazan, which can be measured at a maximum absorbance of 440nm (420nm to 480nm) in an absorbance plate reader. After adding the WST-1 reagent, allow development of the color for 1-4 hours in a 96-well plate reader. Plates can be returned to incubator and re-read at a later time for increased sensitivity.



Assays-in-a-Box™
by
Preferred Cell Systems™

www.preferred-cell-systems.com