



**TRINOVA**BIOCHEM  
European Distributor of  
Preferred Cell Systems™

## Proliferation Assays for Hematopoietic Stem and Progenitor Cells

PCS™ assays allow you to measure proliferation and differentiation of various stem and progenitor cells. Choose from a variety of readouts including ATP bioluminescence, fluorescence and absorbance/colorimetry.



### **HALO®**

ATP bioluminescence proliferation and viability assays  
(incl. standards and controls)

### **HemoFluor™**

Fluorescence proliferation and viability assays

### **HemoLight™**

Absorbance/colorimetric proliferation and viability assays

### **CAMEO™-96**

Combined CFU & bioluminescence assays

### **HALO® Real Time**

ATP bioluminescence real time assays to monitor cell proliferation

## **HALO® Real Time**

## **First Assay to Measure Hematopoietic Stem/Progenitor Cell Proliferation in Real Time**

### **with Multiplexing Flow Cytometric, Phenotypic Marker Capability**

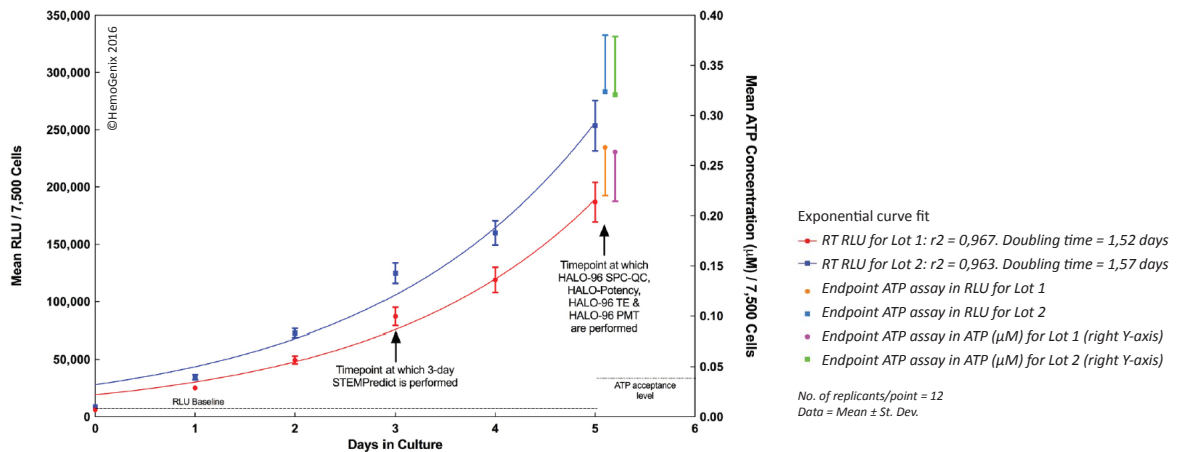
- Non-lytic, bioluminescence assay. Compatible with downstream applications, e.g. flow cytometric phenotypic analysis (e.g. CD133<sup>+</sup>, CD34<sup>+</sup> or ALDH<sup>+</sup>)
- Watch the cells grow over 2-5 days by taking bioluminescence readings at any times you like
- For human cells, bone marrow, umbilical cord blood normal or mobilized peripheral blood or purified populations (e.g. CD34<sup>+</sup>, CD133<sup>+</sup>)
- Available for 7 lympho-hematopoietic stem cell and 9 progenitor cell populations

**Better Assays - Better Science**

# HALO® Real Time

## Comparison of HALO® Real Time and HALO® Endpoint ATP bioluminescence Assays

The figure below shows the Kinetic Growth Curve of primitive hematopoietic stem cells (SC-GEMM1) from 2 lots of cryopreserved bone marrow:



## Available Halo® Real Time Assay Kits

Catalog No	Description	Size
K6-HPP1-1H	HALO® Real Time for SC-HPP1 / HPP-SP1	1 x 96-well Kit
K6-HPP2-1H	HALO® Real Time for SC-HPP2 / HPP-SP2	1 x 96-well Kit
K6-GEMM1-1H	HALO® Real Time for SC-GEMM1 / CFC-GEMM1	1 x 96-well Kit
K6-GEMM2-1H	HALO® Real Time for SC-GEMM2 / CFC-GEMM2	1 x 96-well Kit
K6-GEM1-1H	HALO® Real Time for SC-GEM1 / CFC-GEM1	1 x 96-well Kit
K6-GEM2-1H	HALO® Real Time for SC-GEM2 / CFC-GEM2	1 x 96-well Kit
K6-BFU1-1H	HALO® Real Time for P-BFU1 / BFU-E1	1 x 96-well Kit
K6-BFU2-1H	HALO® Real Time for P-BFU2 / BFU-E2	1 x 96-well Kit
K6-GM1-1H	HALO® Real Time for P-GM1 / CFC-GM1 / GM-CFC1	1 x 96-well Kit
K6-GM3-1H	HALO® Real Time for P-GM3 / CFC-GM3 / GM-CFC3	1 x 96-well Kit
K6-Mk1-1H	HALO® Real Time for P-Mk1 / Mk-CFC1	1 x 96-well Kit

HALO® Real Time is available either 'Serum-free' (opposite) or 'Low serum', combined with the following species: Human (opposite), Primate, Rat, Mouse and Canine

## Kit Contents

- HALO® Real Time reagent
- HALO® Master Mix growth medium
- Sterile, 96-well plates
- Sterile, adhesive foil covers
- Assay manual

## About Us

TRINOVA BIOCHEM is the European distributor of Preferred Cell Systems™ (PCS™) - the exclusive manufacturer of all products originally produced by HemoGenix®. Preferred Cell Systems™ develops innovative, high-quality in vitro Assays and cell culture Media for Stem Cell Research, Cellular Therapy, In Vitro Toxicology and Regenerative Medicine.

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