HemoGLO™ PCA

By Preferred Cell Systems™

Bioluminescence Progenitor Cell Assay

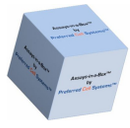
Methylcellulose-Free CFU Replacement
for Cell Processing Laboratories

Uses and Benefits

- ☐ Replaces all methylcellulose-based reagents. No colony counting necessary.
- ☐ ATP bioluminescence readout combined with SEC™ Technology for the greatest precision.
- ☐ Short 4-6 culture depending on species. Results in 30 min. or less.
- ☐ For all transplantation tissues.
- ☐ Highly reliable and reproducible results.
- ☐ Complete assay kits. Reagents and 96-well plate included for up to 24 samples/plate.
- ☐ Smaller sample and reagent volume. Faster setup.
- ☐ Optional standardization reagents available.
- ☐ Simple and fast to both learn and use.
- ☐ Similar growth factor cocktails to MethoCult™ and other methylcellulose reagents, but far superior cell growth. Direct correlation with CFU.
- ☐ Detect primitive stem and progenitor cells easily and efficiently.
- ☐ Saves time and labor allowing personnel to perform other important activities.

Assay Principle

HemoGLO™ PCA is the new, easy to use and rapid viability and proliferation hematopoietic stem and progenitor cell assay from Preferred Cell Systems™. HemoGLO™ PCA is a more simple version of HALO®, using the most sensitive ATP bioluminescence readout available. It completely replaces the methylcellulose CFU assay with a faster, high precision, more reliable and reproducible and more convenient assay, but at a similar price. Like its sister assays, HemoFLUOR™ and HemoLIGHT™, it can be combined with flow cytometry to provide all the cell differentiation information you need.



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

www.preferred-cell-systems.com

HemoGLO™PCA: A Replacement for Methylcellulose CFU Assays

HemoGLO™ PCA Number	HemoGLO™ PCA Cell Population	Equivalent CFU Cell Population	Equivalent MethoCult™ Reagent	Growth Factor Cocktail
PCA1	SC-GEM 3	CFC-GEM 3	H4434 "Classic"	EPO, GM-CSF, IL-3, SCF
PCA2	SC-GEM 2	CFC-GEM 2	H4034 "Optimum"	EPO, GM-CSF, G-CSF, IL-3, SCF
PCA3	P-GM 1	GM-CFC 1	H4534 "Classic"	GM-CSF, IL-3, SCF
PCA4	P-GM 2	GM-CFC 2	H4035 "Optimum"	GM-CSF, G-CSF, IL-3, SCF
PCA5	SC-GEMM 3	CFC-GEMM 3	H4435 "Enriched"	EPO, GM-CSF, G-CSF, IL-3, IL-6, SCF TPO(#)
PCA6	SC-GEMM	CFC-GEMM	Methocult "Express"	Recombinant cytokines EPO

(#) denotes that the Preferred Cell Systems™ formulation of this product includes TPO that stimulates the production of megakaryopoiesis. MethoCult™ and other competitor formulations of this specific product do not include TPO, do not stimulate the production of megakaryocytes and therefore do not detect the CFC-GEMM stem cell population.