HemoFLUOR™ PCA

By Preferred Cell Systems™

Fluorescence Progenitor Cell Assay

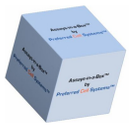
Methylcellulose-Free CFU Replacement
for Cell Processing Laboratories

Uses and Benefits

- ☐ Replaces all methylcellulose based reagents. No colony counting necessary.
- ☐ Fluorescence readout combined with SEC™ Technology for the highest precision.
- ☐ Short 4-6 culture depending on species. Results in 30 min. or less.
- ☐ For all transplantation tissue.
- ☐ Highly reproducable 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 and validation available.
- ☐ Simple 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

Incorporates the measurement of non-fluorescent Resazurin (alimaBlue™) to fluorescent resorufin in an oxidation/reduction reaction that occurs only in live cells. The amount of fluorescence is dependent on the metabolic status of the cells and, therefore, is a measure of metabolic viability and cell proliferation or inhibition. After adding the reagent, the signal develops within 4 hours in a fluorescence plate reader using a 560nm excitation filter and a 590nm emission filter.



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

www.preferred-cell-systems.com

HemoFLUOR™PCA: A Replacement for Methylcellulose CFU Assays

HemoFLUOR™ PCA Number	HemoFLUOR™ 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.