



## CAMEO™-4 – Miniaturized Methylcellulose Colony-Forming Assay

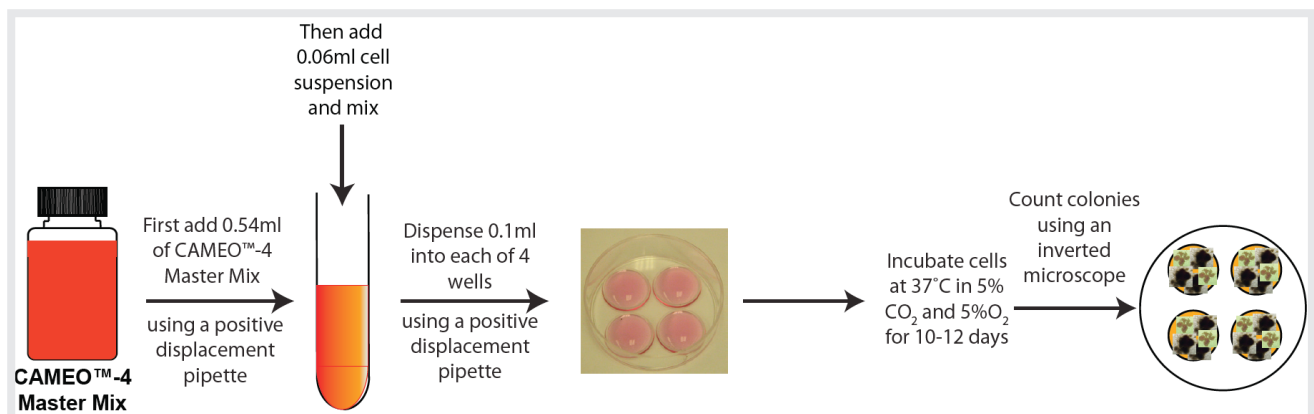
CAMEO™-4 assays allow the clonal detection in methylcellulose. Designed for hematopoietic stem and progenitor cells they provide an indication for erythroid, neutrophil and platelet development.



- Miniaturized CFU complete assay kits, including culture plates for 50 x 0.1 ml cultures performed in quadruplicate
- Requires 1/10 volume of reagents, target cells and other sample requirements compared to traditional CFC/CFU assays
- Available for Human, NHP, Horse, Sheep, Pig, Dog, Rat and Mouse

### Use CAMEO™-4 for all Colony-Forming Assay Applications and Reduce Cell Sample Size, Time and Cost

#### Recommended Protocol



To perform CAMEO™-4 clonal methylcellulose assays, HemoGenix® recommends using only positive displacement pipettes for greater accuracy and incubating cells under 5% O<sub>2</sub> to reduce oxygen toxicity and improve plating efficiency.

See how to perform a CAMEO™-4 assay on the HemoGenix® YouTube channel:  
[www.youtube.com/user/HemoGenix](http://www.youtube.com/user/HemoGenix)

**CAMEO™-4**
**Hematopoietic Cell Populations Detected with CAMEO™-4**

Catalog No	Population	Colony Types Detected	Groth Factors Included
KC-0-50H	Base Master Mix	Your choice	No growth factors
KC-HPP1-50H	SC-HPP1 / HPP-SP1	Primitive, quiescent lympho-hematopoietic stem cell	IL-3, IL-6, SCF, TPO, Flt3-L
KC-HPP2-50H	SC-HPP1 / HPP-SP1	Primitive, expanding lympho-hematopoietic stem cell, All cells below	EPO, GM-CSF, IL-2, IL-3, IL-6, IL-7, SCF, TPO, Flt3-L
KC-GEMM1-50H	SC-GEMM1 / CFC-GEMM1	All stem cells below + B, E, G & M, Mk	EPO, GM-CSF, IL-3, IL-6, SCF, TPO, Flt3-L
KC-GEMM2-50H	SC-GEMM2 / CFC-GEMM2	All stem cells below + B, E, G & M, Mk	EPO, GM-CSF, IL-3, IL-6, SCF, TPO
KC-GEMM3-50H	SC-GEMM3 / CFC-GEMM3 (eq. MethoCult® 'Enriched' H4435) + TPO	GEM1, 2 & 3 + B, E, G & M, G, Mk	EPO, GM-CSF, G-CSF, IL-3, IL-6, SCF, TPO
KC-GEM1-50H	SC-GEM1 / CFC-GEM1	GEM2 & 3 + B, E, G & M (no Mk)	EPO, GM-CSF, IL-3, IL-6, SCF
KC-GEM2-50H	SC-GEM2 / CFC-GEM2 (eq. MethoCult® 'Classic' H4434)	GEM3, B, E, G & M (no Mk)	EPO, GM-CSF, IL-3, SCF
KC-GEM3-50H	SC-GEM3 / CFC-GEM3 (eq. MethoCult® 'Optimum' H4034)	B, E, G & M, G (no Mk)	EPO, GM-CSF, G-CSF, IL-3, SCF
KC-BFU1-50H	P-BFU1 / BFU-E1	BFU-E & CFU-E	EPO, IL-3, SCF
KC-BFU2-50H	P-BFU2 / BFU-E2	BFU-E & CFU-E	EPO (high dose)
KC-E-50H	CFU-E	E	EPO (low dose)
KC-GM1-50H	P-GM1 / CFC-GM1 / GM-CFC1 (eq. MethoCult® 'Classic' H4534)	G & M	GM-CSF, IL-3, SCF
KC-GM2-50H	P-GM2 / CFC-GM2 / GM-CFC2 (eq. MethoCult® 'Optimum' H4035)	G & M, G	GM-CSF, G-CSF, IL-3, SCF
KC-GM3-50H	P-GM3 / CFC-GM3 / GM-CFC3	G & M	GM-CSF
KC-G-50H	G-CFC	G	G-CSF
KC-M-50H	M-CFC	M	M-CSF
KC-Mk1-50H	P-Mk1 / Mk-CFC1	Mk	TPO, IL-3, SCF
KC-Mk2-50H	P-Mk2 / Mk-CFC2	Mk	TPO
KC-T-50H	P-Tcell / T-CFC	T-lymphocyte progenitors	IL-2 (needs addition of mitogen or co-stimulators)
KC-B-50H	P-Bcell / B-CFC	B-lymphocyte progenitors	IL-7

B = erythropoietic progenitor, E= erythropoietic precursor, G = granulocyte, M = macrophage, Mk = megakaryocyte  
PLEASE NOTE:

CFC-GEMM3, CFC-GEM2, CFC-GEM3, GM-CFC1 and GM-CFC2 are equivalent MethoCult® products.

CFC-GEMM3, CDC-GEM3 and GM-CFC2 are only available for human cell growth.

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## 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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