

**TRINOVA**BIOCHEM

European Distributor of

Preferred Cell Systems™

Stem Cell Research Assays

Product List 2019

CELL TYPE	ASSAY NAME	ASSAY TYPE	APPLICATION
HEMATOPIETIC STEM CELLS	ColonyGro™	Methylcellulose CFU master mix	Clonal methylcellulose proliferation and differentiation
	CAMEO™-4	Miniaturized methylcellulose CFU assay	
	CAMEO™-96	Combined assay: methylcellulose CFU and bioluminescence	Proliferation and differentiation
	HALO® (HemoFLUOR™ HemoLIGHT™)	96-well suspension expansion culture™ bioluminescence assay	Proliferation and differentiation (CFU-equivalent)
	HALO® Real Time		Real time proliferation
	CellExpand™	Suspension expansion culture™ master mix	Expansion medium specific for various hematopoietic cell populations
MESENCHYMAL STROMA CELLS	MSCGlo™ (MSCFluor™, MSCLight™)	96-well suspension expansion culture™ bioluminescence assay	Proliferation
	MSCGlo™ Real Time		Real time proliferation
IMMUNE CELLS	ImmunoGlo™ (ImmunoFLUOR™, ImmunoLIGHT™)	96-well suspension expansion culture™ bioluminescence assay	Lymphocyte proliferation
	ImmunoGlo™ Real Time		Real time proliferation
	ImmunoGlo™ MLC (ImmunoFLUOR™ MLC, ImmunoLIGHT™ MLC)		Mixed lymphocyte proliferation
	ImmunoGlo™ TCP		T cell proliferation and expansion
PRIMARY STEM CELLS AND CELL LINES	STEMGlo™ (STEMFluor™, STEMLight™)	96-well suspension expansion culture™ bioluminescence assay	Proliferation
	HepatoGlo™-Tox HT		Hepatotoxicity screening (High throughput)
	STEMclone™	Combined assay: methylcellulose CFU and bioluminescence	Clonal methylcellulose proliferation and differentiation

Applications for **Human** cells; other species on request (Primate (**NHP**), **Horse**, **Sheep**, **Pig**, **Rat**, **Dog** and **Mouse**).

TB-PCsres -PdL2019 - 1/14

Most assays are available **Low serum** and **Serum-free**, and need to be stored at -20°C. For further information please contact us:**TRINOVA**BIOCHEM

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► METHYLCELLULOSE CFU-ASSAYS

These are reagents and assays that allow the clonal detection in methylcellulose.

Designed for hematopoietic stem- and progenitor cells they provide an indication for erythroid, neutrophil and platelet production.

- **ColonyGro™** Methylcellulose CFU Master Mixes for 44 x 1 ml cultures performed in duplicate
- **CAMEO™-4** Miniaturized CFU complete assay kits, including culture plates for 50 x 0.1 ml cultures performed in quadruplicate

ColonyGro™

Methylcellulose CFU Master Mixes for 44 x 1 ml cultures performed in duplicate

CATALOG NO.	DESCRIPTION	SIZE
CG-0-100H	ColonyGro™ without growth factors	100 ml/ 44 samples
CG-HPP1-100H	ColonyGro™ for SC-HPP1	100 ml/ 44 samples
CG-HPP2-100H	ColonyGro™ for SC-HPP2	100 ml/ 44 samples
CG-GEMM1-100H	ColonyGro™ for SC-GEMM1	100 ml/ 44 samples
CG-GEMM2-100H	ColonyGro™ for SC-GEMM2	100 ml/ 44 samples
CG-GEMM3-100H	ColonyGro™ for SC-GEMM3	100 ml/ 44 samples
CG-GEM1-100H	ColonyGro™ for SC-GEM1	100 ml/ 44 samples
CG-GEM2-100H	ColonyGro™ for SC-GEM2	100 ml/ 44 samples
CG-GEM3-100H	ColonyGro™ for SC-GEM3	100 ml/ 44 samples
CG-BFU1-100H	ColonyGro™ for P-BFU1	100 ml/ 44 samples
CG-BFU2-100H	ColonyGro™ for P-BFU2	100 ml/ 44 samples
CG-E-100H	ColonyGro™ for CFU-E	100 ml/ 44 samples
CG-GM1-100H	ColonyGro™ for P-GM1	100 ml/ 44 samples
CG-GM2-100H	ColonyGro™ for P-GM2	100 ml/ 44 samples
CG-GM3-100H	ColonyGro™ for P-GM3	100 ml/ 44 samples
CG-G-100H	ColonyGro™ for G-CFC	100 ml/ 44 samples
CG-M-100H	ColonyGro™ for M-CFC	100 ml/ 44 samples
CG-MK1-100H	ColonyGro™ for P-Mk1	100 ml/ 44 samples
CG-MK2-100H	ColonyGro™ for P-Mk2	100 ml/ 44 samples
CG-B-100H	ColonyGro™ for P-Bcell	100 ml/ 44 samples

Applications for **Human** cells; other species on request (Primate (**NHP**), **Horse, Sheep, Pig, Rat, Dog and Mouse**).

TB-PCSres -PdL2019 - 2/14

Most assays are available **Low serum** and **Serum-free**, and need to be stored at -20°C. For further information please contact us:

CAMEO™-4

A miniaturized methylcellulose CFC assay used in toxicity testing to detect the response of compounds on the differentiation and maturation process

- **Easy handling:** due to the optimized blend of the master mix it can simply be applied with a positive displacement pipette
- **Fast results in 10 - 12 days:** media formulations allows increased growth of colonies
- **Economical use of cells:** the miniaturized CFU assay kit CAMEO™-4 requires only 1/10 the amount of target cells compared to traditional assays

CATALOG NO.	DESCRIPTION	SIZE
KC-0-50H	CAMEO™-4 without growth factors	38 ml + 50 plates
KC-HPP1-50H	CAMEO™-4 for SC-HPP1	38 ml + 50 plates
KC-HPP2-50H	CAMEO™-4 for SC-HPP2	38 ml + 50 plates
KC-GEMM1-50H	CAMEO™-4 for SC-GEMM1	38 ml + 50 plates
KC-GEMM2-50H	CAMEO™-4 for SC-GEMM2	38 ml + 50 plates
KC-GEMM3-50H	CAMEO™-4 for SC-GEMM3	38 ml + 50 plates
KC-GEM1-50H	CAMEO™-4 for SC-GEM1	38 ml + 50 plates
KC-GEM2-50H	CAMEO™-4 for SC-GEM2	38 ml + 50 plates
KC-GEM3-50H	CAMEO™-4 for SC-GEM3	38 ml + 50 plates
KC-BFU1-50H	CAMEO™-4 for P-BFU1	38 ml + 50 plates
KC-BFU2-50H	CAMEO™-4 for P-BFU2	38 ml + 50 plates
KC-E-50H	CAMEO™-4 for CFU-E	38 ml + 50 plates
KC-GM1-50H	CAMEO™-4 for P-GM1	38 ml + 50 plates
KC-GM2-50H	CAMEO™-4 for P-GM2	38 ml + 50 plates
KC-GM3-50H	CAMEO™-4 for P-GM3	38 ml + 50 plates
KC-G-50H	CAMEO™-4 for G- CFC	38 ml + 50 plates
KC-M-50H	CAMEO™-4 for M-CFC	38 ml + 50 plates
KC-MK1-50H	CAMEO™-4 for P-Mk1	38 ml + 50 plates
KC-MK2-50H	CAMEO™-4 for P-Mk2	38 ml + 50 plates
KC-T-50H	CAMEO™-4 for P-Tcell	38 ml + 50 plates
KC-B-50H	CAMEO™-4 for P-Bcell	38 ml + 50 plates

Miniaturized CFU complete assay kits, including culture plates for 50 x 0.1 ml cultures performed in quadruplicate



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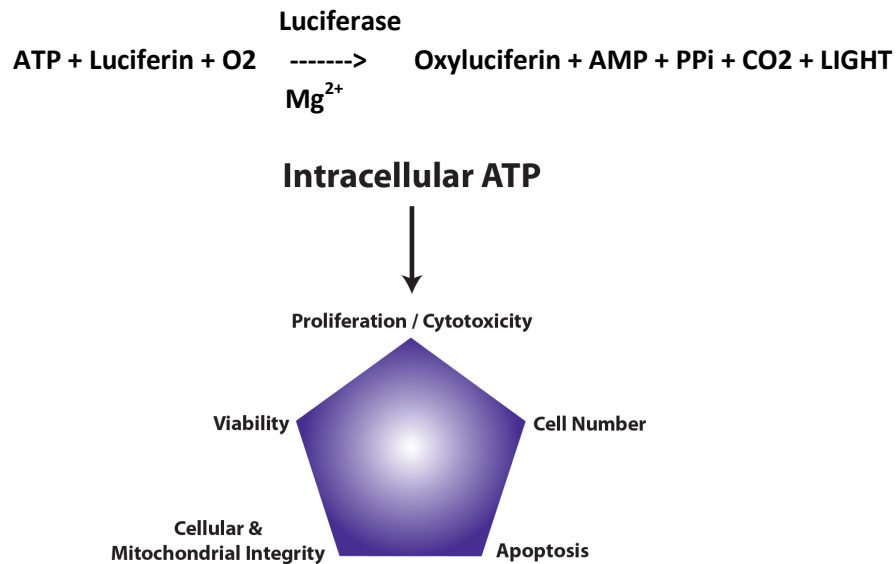
European Distributor of
Preferred Cell Systems™

▶ INSTRUMENT-BASED CFU EQUIVALENT PROLIFERATION ASSAYS

PCS™ assays allow you to measure proliferation and differentiation of various stem- and progenitor cells. Choose from a variety of readouts including:

- BIOLUMINESCENCE
- FLUORESCENCE
- ABSORBANCE

BIOLUMINESCENCE PRINZIPL



HALO®

ATP bioluminescence stem and progenitor cell proliferation kits including standard and controls

CATALOG NO.	DESCRIPTION	SIZE
K2-0-1H	HALO® - Bioluminescence assay without growth factors	1 x 96-well kit
K2-HPP1-1H	HALO® - Bioluminescence assay for SC-HPP1	1 x 96-well kit
K2-HPP2-1H	HALO® - Bioluminescence assay for SC-HPP2	1 x 96-well kit
K2-GEMM1-1H	HALO® - Bioluminescence assay for SC-GEMM1	1 x 96-well kit
K2-GEMM2-1H	HALO® - Bioluminescence assay for SC-GEMM2	1 x 96-well kit
K2-GEM1-1H	HALO® - Bioluminescence assay for SC-GEM1	1 x 96-well kit
K2-GEM2-1H	HALO® - Bioluminescence assay for SC-GEM2	1 x 96-well kit

Applications for **Human** cells; other species on request (Primate (**NHP**), **Horse, Sheep, Pig, Rat, Dog and Mouse**).

TB-PCSres -PdL2019 - 4/14

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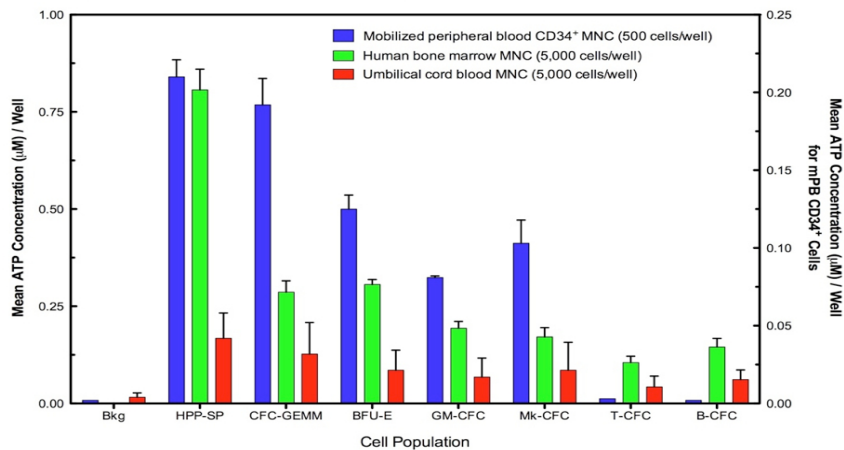
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K2-BFU1-1H	HALO® - Bioluminescence assay for P-BFU1	1 x 96-well kit
K2-BFU2-1H	HALO® - Bioluminescence assay for P-BFU2	1 x 96-well kit
K2-GM1-1H	HALO® - Bioluminescence assay for P-GM1	1 x 96-well kit
K2-GM3-1H	HALO® - Bioluminescence assay for P-GM3	1 x 96-well kit
K2-MK1-1H	HALO® - Bioluminescence assay for P-Mk1	1 x 96-well kit
K2-T-1H	HALO® - Bioluminescence assay for P-Tcell	1 x 96-well kit
K2-B-1H	HALO® - Bioluminescence assay for P-Bcell	1 x 96-well kit

Comparison between Human Tissues in the Response of 7 Cell Population using HALO®



© PCS®

HemoFLUOR™

Fluorescence stem and progenitor cell proliferation assays

CATALOG NO.	DESCRIPTION	SIZE
K5-0-1H	HemoFLUOR™ - Fluorescence assay without growth factors	1 x 96-well kit
K5-HPP1-1H	HemoFLUOR™ - Fluorescence assay for SC-HPP1	1 x 96-well kit
K5-HPP2-1H	HemoFLUOR™ - Fluorescence assay for SC-HPP2	1 x 96-well kit
K5-GEMM1-1H	HemoFLUOR™ - Fluorescence assay for SC-GEMM1	1 x 96-well kit
K5-GEMM2-1H	HemoFLUOR™ - Fluorescence assay for SC-GEMM2	1 x 96-well kit
K5-GEM1-1H	HemoFLUOR™ - Fluorescence assay for SC-GEM1	1 x 96-well kit
K5-GEM2-1H	HemoFLUOR™ - Fluorescence assay for SC-GEM2	1 x 96-well kit
K5-BFU1-1H	HemoFLUOR™ - Fluorescence assay for P-BFU1	1 x 96-well kit
K5-BFU2-1H	HemoFLUOR™ - Fluorescence assay for P-BFU2	1 x 96-well kit

Applications for **Human** cells; other species on request (Primate (**NHP**), **Horse**, **Sheep**, **Pig**, **Rat**, **Dog** and **Mouse**).

TB-PCsres -PdL2019 - 5/14

Most assays are available **Low serum** and **Serum-free**, and need to be stored at -20°C. For further information please contact us:



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K5-GM1-1H	HemoFLUOR™ - Fluorescence assay for P-GM1	1 x 96-well kit
K5-GM3-1H	HemoFLUOR™ - Fluorescence assay for P-GM3	1 x 96-well kit
K5-MK1-1H	HemoFLUOR™ - Fluorescence assay for P-Mk1	1 x 96-well kit
K5-T-1H	HemoFLUOR™ - Fluorescence assay for P-Tcell	1 x 96-well kit
K5-B-1H	HemoFLUOR™ - Fluorescence assay for P-Bcell	1 x 96-well kit

HemoLIGHT™

Absorbance / colorimetric stem and progenitor cell assays

CATALOG NO.	DESCRIPTION	SIZE
K4-O-1H	HemoLIGHT™ - Absorbance assay without growth factors	1 x 96-well kit
K4-HPP1-1H	HemoLIGHT™ - Absorbance assay for SC-HPP1	1 x 96-well kit
K4-HPP2-1H	HemoLIGHT™ - Absorbance assay for SC-HPP2	1 x 96-well kit
K4-GEMM1-1H	HemoLIGHT™ - Absorbance assay for SC-GEMM1	1 x 96-well kit
K4-GEMM2-1H	HemoLIGHT™ - Absorbance assay for SC-GEMM2	1 x 96-well kit
K4-GEM1-1H	HemoLIGHT™ - Absorbance assay for SC-GEM1	1 x 96-well kit
K4-GEM2-1H	HemoLIGHT™ - Absorbance assay for SC-GEM2	1 x 96-well kit
K4-BFU1-1H	HemoLIGHT™ - Absorbance assay for P-BFU1	1 x 96-well kit
K4-BFU2-1H	HemoLIGHT™ - Absorbance assay for P-BFU2	1 x 96-well kit
K4-GM1-1H	HemoLIGHT™ - Absorbance assay for P-GM1	1 x 96-well kit
K4-GM3-1H	HemoLIGHT™ - Absorbance assay for P-GM3	1 x 96-well kit
K4-MK1-1H	HemoLIGHT™ - Absorbance assay for P-Mk1	1 x 96-well kit
K4-T-1H	HemoLIGHT™ - Absorbance assay for P-Tcell	1 x 96-well kit
K4-B-1H	HemoLIGHT™ - Absorbance assay for P-Bcell	1 x 96-well kit

HALO® Real Time

ATP bioluminescence stem and progenitor cell proliferation kit including standard and controls

- Non-lytic, bioluminescence assay
- Multiplexing flow cytometric capability (e.g. CD133⁺, CD34⁺, or ALDH⁺)
- Watch the cells over 2 - 5 days taking bioluminescence readings at any times you like
- For bone marrow, umbilical cord blood, mobilized peripheral blood or purified populations (e.g. CD34⁺, CD133⁺)

CATALOG NO.	DESCRIPTION	SIZE
K6-HPP1-1H	HALO® Real Time - Bioluminescence assay for SC-HPP1	1 x 96-well kit
K6-HPP2-1H	HALO® Real Time - Bioluminescence assay for SC-HPP2	1 x 96-well kit
K6-GEMM1-1H	HALO® Real Time - Bioluminescence assay for SC-GEMM1	1 x 96-well kit

Applications for **Human** cells; other species on request (Primate (**NHP**), **Horse**, **Sheep**, **Pig**, **Rat**, **Dog** and **Mouse**).

TB-PCSres -PdL2019 - 6/14

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K6-GEMM2-1H	HALO® Real Time - Bioluminescence assay for SC-GEMM2	1 x 96-well kit
K6-GEM1-1H	HALO® Real Time - Bioluminescence assay for SC-GEM1	1 x 96-well kit
K6-GEM2-1H	HALO® Real Time - Bioluminescence assay for SC-GEM2	1 x 96-well kit
K6-BFU1-1H	HALO® Real Time - Bioluminescence assay for P-BFU1	1 x 96-well kit
K6-BFU2-1H	HALO® Real Time - Bioluminescence assay for P-BFU2	1 x 96-well kit
K6-GM1-1H	HALO® Real Time - Bioluminescence assay for P-GM1	1 x 96-well kit
K6-GM3-1H	HALO® Real Time - Bioluminescence assay for P-GM3	1 x 96-well kit
K6-MK1-1H	HALO® Real Time - Bioluminescence assay for P-Mk1	1 x 96-well kit

Kit content: HALO®-Real Time reagent, HALO® master mix growth medium, sterile 96-well plate, sterile adhesive foil, assay manual.

CAMEO™-96 (combined CFU & Bioluminescence)

Methylcellulose assay for manual colony enumeration AND standardized ATP-bioluminescence

CATALOG NO.	DESCRIPTION	SIZE
KCO-0-1H	CAMEO™-96 without growth factors	1 x 96-well kit
KCO-HPP1-1H	CAMEO™-96 for SC-HPP1	1 x 96-well kit
KCO-HPP2-1H	CAMEO™ -96 for SC-HPP2	1 x 96-well kit
KCO-GEMM1-1H	CAMEO™ -96 for SC-GEMM1	1 x 96-well kit
KCO-GEMM2-1H	CAMEO™-96 for SC-GEMM2	1 x 96-well kit
KCO-GEM1-1H	CAMEO™-96 for SC-GEM1	1 x 96-well kit
KCO-GEM2-1H	CAMEO™-96 for SC-GEM2	1 x 96-well kit
KCO-BFU1-1H	CAMEO™-96 for P-BFU1	1 x 96-well kit
KCO-GM1-1H	CAMEO™-96 for P-GM1	1 x 96-well kit
KCO-MK1-1H	CAMEO™-96 for P-Mk1	1 x 96-well kit
KCO-T-1H	CAMEO™-96 for P-Tcell	1 x 96-well kit
KCO-B-1H	CAMEO™-96 for P-Bcell	1 x 96-well kit

Applications for **Human** cells; other species on request (Primate (**NHP**), **Horse, Sheep, Pig, Rat, Dog and Mouse**).

TB-PCsres -PdL2019 - 7/14

Most assays are available **Low serum** and **Serum-free**, and need to be stored at -20°C. For further information please contact us:



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European Distributor of

Preferred Cell Systems™

► SUSPENSION EXPANSION CULTURE (SEC) MASTER MIXES

CellExpand™ Media

Expansion of hematopoietic stem and progenitor cells/populations

CATALOG NO.	DESCRIPTION	SIZE
SEC-0-40H	CellExpand™ Master Mix without growth factors	40ml
SEC-HPP1-40H	CellExpand™ Master Mix for SC-HPP1	40ml
SEC-HPP2-40H	CellExpand™ Master Mix for SC-HPP2	40ml
SEC-GEMM1-40H	CellExpand™ Master Mix for SC-GEMM1	40ml
SEC-GEMM2-40H	CellExpand™ Master Mix for SC-GEMM2	40ml
SEC-GEMM3-40H	CellExpand™ Master Mix for SC-GEMM3	40ml
SEC-GEM1-40H	CellExpand™ Master Mix for SC-GEM1	40ml
SEC-GEM2-40H	CellExpand™ Master Mix for SC-GEM2	40ml
SEC-BFU1-40H	CellExpand™ Master Mix for P-BFU1	40ml
SEC-BFU2-40H	CellExpand™ Master Mix for P-BFU2	40ml
SEC-GM1-40H	CellExpand™ Master Mix for P-GM1	40ml
SEC-GM3-40H	CellExpand™ Master Mix for P-GM3	40ml
SEC-Mk1-40H	CellExpand™ Master Mix for P-Mk1	40ml
SEC-T-40H	CellExpand™ Master Mix for P-Tcell	40ml
SEC-B-40H	CellExpand™ Master Mix for P-Bcell	40ml

Applications for **Human** cells; other species on request (Primate (**NHP**), **Horse, Sheep, Pig, Rat, Dog and Mouse**).

TB-PCsres -PdL2019 - 8/14

Most assays are available **Low serum** and **Serum-free**, and need to be stored at -20°C. For further information please contact us:



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TRINOVABIOCHEM

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Preferred Cell Systems™

▶ IMMUNE CELL FUNCTIONAL ASSAYS

Whether it is a simple lymphocyte proliferation assay, donor lymphocyte infusion (DLI) testing or mixed lymphocyte cultures, these assays are flexible for any laboratory and available as ATP bioluminescence, fluorescence or absorbance / colorimetric assays.

ImmunoGlo™ - ImmunoFLUOR™ - ImmunoLIGHT™

ATP bioluminescence – Fluorescence - Absorbance/colorimetric lymphocyte proliferation assays

- Lymphocyte activation
- Test unprimed T cells in the presence of antibodies, enterotoxins, mitogens etc
- Cellular immune response studies
- Single-cell, T lymphocyte cloning studies
- Test DLI (Donor Lymphocyte Infusion) samples for stimulation/induction prior to use
- Effect of accessory (non T cells) on T cell induction
- Effect of co-stimulators on T cell induction

CATALOG NO.	DESCRIPTION	SIZE
KM1-LPA-1	ImmunoGlo™ - Bioluminescence lymphocyte proliferation assay	1 x 96-well kit
KM2-LPA-1	ImmunoFLUOR™ - Fluorescence lymphocyte proliferation assay	1 x 96-well kit
KM3-LPA-1	ImmunoLIGHT™ - Absorbance lymphocyte proliferation assay	1 x 96-well kit

ImmunoGlo™ Real Time

ATP bioluminescence stem and progenitor cell proliferation kit including standard and controls

- Non-lytic, bioluminescence assay – follow lymphocyte proliferation in real time
- Multiplexing flow cytometric capability
- Add ImmunoGlo Real Time reagent at the beginning of culture or at any time after culture initiation, and follow cell growth for up to 3 day
- Complete flexibility to use any mitogens, co-stimulators etc. and lymphocyte culture protocols
- For use with peripheral blood mononuclear cells (PBMS), lymphocyte sub-populations and lymphocyte tissues and organs

CATALOG NO.	DESCRIPTION	SIZE
KM1-RT-1	ImmunoGlo™ Real Time	1 x 96-well kit

Applications for **Human** cells; other species on request (Primate (**NHP**), **Horse, Sheep, Pig, Rat, Dog and Mouse**).

TB-PCsres -PdL2019 - 9/14

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ImmunoGlo™-MLC - ImmunoFLUOR™-MLC - ImmunoLIGHT™-MLC

ATP bioluminescence - Fluorescence - Absorbance/colorimetric 1- or 2-way Mixed Lymphocyte Culture assays

- One-way mixed lymphocyte culture (MLC) / reaction (MLR)
- Two-way mixed lymphocyte culture (MLC) / reaction (MLR)
- Allogeneic mixed lymphocyte culture.
- Cellular immune response
- Dendritic cell interactions
- Mesenchymal stem/stromal cell interactions
- Investigations of agents that activate/suppress MLC/MLR

CATALOG NO.	DESCRIPTION	SIZE
KM1-MLC-1	ImmunoGlo™-MLC - Bioluminescence MLC assay	1 x 96-well kit
KM2-MLC-1	ImmunoFLUOR™-MLC - Fluorescence MLC assay	1 x 96-well kit
KM3-MLC-1	ImmunoLIGHT™-MLC - Absorbance MLC assay	1 x 96-well kit

Available also as Immuno TCP - T Cell Proliferation Assay in analogy to ImmunoGlo TCP

ImmunoGlo™ TCP

ATP bioluminescence T-lymphocyte Cell Proliferation and viability assay kit

- Non-radioactive assay to measure T lymphocyte proliferation
- T lymphocyte proliferation assay kits which work right out of the box
- Equal or improved sensitivity to a radioactive marker and 10-100 times increased sensitivity than WST-1 or CFSE assays
- 3 assay kits available: Growth medium with IL-2, CD3 + CD28, or IL-2 + CD3 + CD28 for improved T cell proliferation
- A standardized 5-days incubation period can be varied if required
- Readout has been validated, and can easily re-validated with the included standards and controls

CATALOG NO.	DESCRIPTION	SIZE
K2-T-1H	ImmunoGlo™ TCP with IL-2 alone	1 x 96-well kit
KM1-TCS1-1H	ImmunoGlo™ TCP with CD3 + CD28	1 x 96-well kit
KM1-TCS2-1H	ImmunoGlo™ TCP with IL-2 + CD3 + CD28	1 x 96-well kit

► MESENCHYMAL STEM/STROMAL CELL (MSC) ASSAYS AND REAGENTS

Use a quantitative MSC proliferation assay to characterize an MSC-derived, regenerative medicine product

- Monitor small, medium and large (bulk) MSC expansion (passaging)
- The MSCGlo™ includes standards and controls to calibrate and standardize and, if necessary, validate the assay
- For replacement of the manual CFU-F assays
- Multiplex with other assays such as flow cytometry for MSC and differentiation markers and gene expression analysis to obtain and correlate information from a single sample
- MSCGlo™ assays includes your choice of MSC-medium:
 - CRUX RUFA Human Platelet Lysate
 - MSCGro Low serum complete medium for Human, Primate, Rat or Mouse
 - MSCGro Serum-free, Xeno-free complete medium for Human, Primate, Rat or Mouse
 - MSCGro Humanized complete medium
 - MSCGro medium for Canine and Equine MSCs

MSCGlo™

ATP bioluminescence MSC proliferation assay

CATALOG NO.	DESCRIPTION	SIZE
KLMC-CR-1	MSCGlo™ - Bioluminescence proliferation assay with CRUX RUFA Human Platelet Lysate	1 x 96-well kit
KLMC-LS-1	MSCGlo™ - Bioluminescence proliferation assay, Low serum	1 x 96-well kit
KLMC-SF-1	MSCGlo™ - Bioluminescence proliferation assay, Serum-free	1 x 96-well kit
KLMC-HM-1	MSCGlo™ - Bioluminescence proliferation assay, Humanized	1 x 96-well kit

MSCFluor™

Fluorescence MSC proliferation assay

CATALOG NO.	DESCRIPTION	SIZE
KMCF-CR-1	MSCFluor™ - Fluorescence proliferation assay with CRUX RUFA Human Platelet Lysate	1 x 96-well kit
KMCF-LS-1	MSCFluor™ - Fluorescence proliferation assay, Low serum	1 x 96-well kit
KMCF-SF-1	MSCFluor™ - Fluorescence proliferation assay, Serum-free	1 x 96-well kit
KMCF-HM-1	MSCFluor™ - Fluorescence proliferation assay, Humanized	1 x 96-well kit

Applications for **Human** cells; other species on request (**Primate (NHP), Horse, Sheep, Pig, Rat, Dog and Mouse**).

TB-PCsres -PdL2019 - 11/14

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Preferred Cell Systems™

MSCLight™

Absorbance/colorimetric MSC proliferation assay

CATALOG NO.	DESCRIPTION	SIZE
KMCL-CR-1	MSCLight™ - Absorbance proliferation assay with CRUX RUFA Human Platelet Lysate	1 x 96-well kit
KMCL-LS-1	MSCLight™ - Absorbance proliferation assay, Low serum	1 x 96-well kit
KMCL-SF-1	MSCLight™ - Absorbance proliferation assay, Serum-free	1 x 96-well kit
KMCL-HM-1	MSCLight™ - Absorbance proliferation assay, Humanized	1 x 96-well kit

MSCGlo™ Real Time

Real Time, non-lytic bioluminescence assay to monitor cell processing of mesenchymal stroma cells

- Watch MSCs grow over 2 - 3 days by taking bioluminescence readings at any times you like
- Non-lytic, bioluminescence assay; thus compatible with downstream applications: e.g. flow cytometric analysis with fluorochrome-conjugated antibodies (CD73⁺, CD90⁺, CD105⁺ and/or CD106⁺) to observe changes in phenotypic markers with time
- MSCGlo™ Real Time includes your choice of MSC-medium (MSCGro medium or CRUX RUFA Human Platelet Lysate; see previous page)

CATALOG NO.	DESCRIPTION	SIZE
KMRT-CR-1	MSCGlo™ Real Time incl. CRUX RUFA Human Platelet Lysate	1 x 96-well kit
KMRT-LS-1	MSCGlo™ Real Time incl. MSCGro Low serum	1 x 96-well kit
KMRT-SF-1	MSCGlo™ Real Time incl. MSCGro Serum-free	1 x 96-well kit
KMRT-H-1	MSCGlo™ Real Time incl. MSCGro Humanized	1 x 96-well kit

Applications for **Human** cells; other species on request (Primate (**NHP**), **Horse, Sheep, Pig, Rat, Dog and Mouse**).

TB-PCsres -PdL2019 - 12/14

Most assays are available **Low serum** and **Serum-free**, and need to be stored at -20°C. For further information please contact us:



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**TRINOVA**BIOCHEM

European Distributor of

Preferred Cell Systems™

► STEMmassays™ - PRIMARY STEM CELLS; STEM CELL LINES (ES- AND IPS-DERIVED CELLS) AND EX VIVO PRIMARY CELLS

STEMGlo™

Standardized ATP-bioluminescence for adherent and non-adherent primary cells, ES, iPS and cell lines

CATALOG NO.	DESCRIPTION	SIZE
KSG-A-1	STEMGlo™ for adherent stem cells, ES, iPS, cell lines	1 x 96-well kit
KSG-NA-1	STEMGlo™ for non-adherent stem cells, ES, iPS, cell lines	1 x 96-well kit

STEMFluor™

Fluorescence proliferation assay for adherent and non-adherent primary cells, ES, iPS and cell lines

CATALOG NO.	DESCRIPTION	SIZE
KSF-A-1	STEMFluor™ for adherent stem cells, ES, iPS, cell lines	1 x 96-well kit
KSF-NA-1	STEMFluor™ for non-adherent stem cells, ES, iPS, cell lines	1 x 96-well kit

STEMLight™

Absorbance proliferation assays for adherent and non-adherent primary cells, ES, iPS and cell lines

CATALOG NO.	DESCRIPTION	SIZE
KSL-A-1	STEMLight™ for adherent stem cells, ES, iPS, cell lines	1 x 96-well kit
KSL-NA-1	STEMLight™ for non-adherent stem cells, ES, iPS, cell lines	1 x 96-well kit

STEMClone™

Clonal methylcellulose proliferation and differentiation assay

- Manual colony enumeration AND standardized ATP-bioluminescence
- Equivalent to CAMEO™
- Based on the 'classic' colony-forming cell (CFC)-assay

CATALOG NO.	DESCRIPTION	SIZE
KSC-1	STEMClone™ - Clonal methylcellulose proliferation and differentiation assay	1 x 96-well kit

Applications for **Human** cells; other species on request (Primate (**NHP**), **Horse, Sheep, Pig, Rat, Dog and Mouse**).

TB-PCsres -PdL2019 - 13/14

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European Distributor of

Preferred Cell Systems™

HepatoGlo™-Tox HT

Hepatotoxicity ATP-bioluminescent assays

- For incorporation of fresh or frozen primary or iPS-derived hepatocytes
- HepatoGlo™ specialized growth medium

CATALOG NO.	DESCRIPTION	SIZE
KHG-A-2	HepatoGlo™-Tox HT for adherent cells	2 x 96-well kit
KHG-NA-2	HepatoGlo™-Tox HT for non-adherent cells	2 x 96-well kit

About Us

TRINOVA BIOCHEM GmbH is the distributor of Preferred Cell Systems™ (PCS™) in Europe.

Preferred Cell Systems™

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

Errors reserved!

Applications for **Human** cells; other species on request (Primate (**NHP**), **Horse, Sheep, Pig, Rat, Dog and Mouse**).

TB-PCSres -PdL2019 - 14/14

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