Summary of Assay Products

ASSAY TYPE	ASSAY NAME	CELL TYPE	DETECTS	APPLICATION
Methylcellulose colony-forming unit (CFU) assays Requires an inverted microscope with 40x-100x magnification	CAMEO™-4	Lympho-hematopoietic cells	Clonal differentiation ability	Stem cell, basic and veterinary research. *In vitro* toxicity testing
Methylcellulose colony-forming cell (CFC) ATP bioluminescence assays Requires an inverted microscope with 40x-100x magnification and plate luminometer	CAMEO™-96	Lympho-hematopoietic cells	Clonal proliferation and differentiation ability	Stem cell, basic and veterinary research. *In vitro* toxicity testing
	STEMClone™	Primary stem cells and stem cell lines		
	XVPrime-Clone™	*Ex vivo* primary explanted cells		
Absorbance / Colorimetric Assays Requires an absorbance plate reader with a 490nm filter	HemoLIGHT™-96	Lympho-hematopoietic cells	Viability, proliferation ability and cell number	Stem cell, basic and veterinary research.
	HemoLIGHT™-96 PCA[EQ]	Hematopoietic stem and progenitor cells	Viability and proliferation ability	Hematopoietic cell therapy
	HemoLIGHT-™96 PMT	Lympho-hematopoietic and hematopoietic stem and progenitor cells		Hematopoietic stem cell therapy
	ImmunoLight™-96	Immune cells	Cellular immune response	Basic and veterinary research. Cellular therapy.
	ImmunoLight™-MLC		1- or 2-way mixed lymphocyte culture/ reaction	Basic and veterinary research. Cellular therapy
	MSCLight™-96	Mesenchymal stem cells (MSC)	Viability, proliferation ability and cell number	Stem cell, basic and veterinary research
	STEMLight™	Primary stem cells and stem cell lines		
	XVPrime-Light™	*Ex vivo* primary explanted cells		
	CLLight™	Cell lines and tumor cells		

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Fluorescence Assays Requires a fluorescence plate reader with excitation at 390-400nm and emission at 505nm	HemoFLUOR™-96	Lympho-hematopoietic cells	Viability, proliferation ability and cell number	Stem cell, basic and veterinary research.
	HemoFLUOR™-96 PCA[EQ]	Hematopoietic stem and progenitor cells	Viability and proliferation ability	Hematopoietic cell therapy
	HemoFLUOR™-96 PMT	Lympho-hematopoietic and hematopoietic stem and progenitor cells		Hematopoietic stem cell therapy
	ImmunoFluor™-96	Immune cells	Cellular immune response	Basic and veterinary research. Cellular therapy.
	ImmunoFluor™-MLC	Immune cells	1- or 2-way mixed lymphocyte culture/ reaction	
	MSCFluor™-96	Mesenchymal stem cells (MSC)	Viability, proliferation ability and cell number	Stem cell and veterinary research. Cell therapy and regenerative medicine
	STEMFluor™	Primary stem cells and stem cell lines		Stem cell, basic and veterinary research
	XVPrime-Fluor™	Ex vivo primary explanted cells		
	CLFluor™	Cell lines and tumor cells		
ATP Bioluminescence Methylcellulose Assay Requires a plate luminometer	CAMEO™-96	Primary stem cells and stem cell line	Clonal proliferation	Stem cell and veterinary research. *In vitro* toxicity testing (standardized)
	STEMClone™	Primary stem cells and stem cell lines		
	XVPrime-Clone™	*Ex vivo* primary explanted cells		
ATP Bioluminescence Assays Requires a plate luminometer	HALO®-96 Research	Lympho-hematopoietic stem cells	Viability, proliferation ability and cell number	Standardized human stem and basic research

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ATP Bioluminescence Assays Requires a plate luminometer	HALO®-96 PREP	Hematopoietic stem cells	Viability and proliferation ability	Standardized stem cell self-renewal and expansion potential
	HALO®-96 PCA^{EQ}	CAMEO™-4, MethoCult® equivalent stem and progenitor cells	Viability and proliferation ability	Hematopoietic cell therapy (standardized)
	STEMpredict™	Stem cells	Viability, cell functionality and proliferation ability	Hematopoietic stem cell therapy (standardized)
	HALO®-96 SPC-QC	Primitive and/or mature stem cells	Viability and proliferation ability	Lympho-hematopoietic stem cell therapy quality control (standardized & validated)
	HALO®-96 PQR	Primitive and/or mature stem cells	Proliferation potential	Lympho-hematopoietic stem cell therapy potency testing (standardized & validated)
	HALO®-96 PMT	Stem and progenitor cells	Proliferation ability	Hematopoietic time to engraftment. "Global" detection of hematopoietic and lympho-hematopoietic reconstitution
	HALO®-Tox HT	Lympho-hematopoietic stem and progenitor cells	Proliferation / cytotoxicity	*In vitro* toxicity testing (standardized & validated)
	HALO®-96 PRT	Lympho-hematopoietic stem cells		
	ImmunoGlo™-96	Immune cells	Cellular immune response	Basic and veterinary research. cellular therapy (standardized)
	ImmunoGlo™-MLC		1- or 2-way mixed lymphocyte culture/ reaction	
	ImmunoGlo™-Tox HT		Lymphocyte proliferation / cytotoxicity	*In vitro* toxicity testing (standardized & validated)
	LUMENESC™-96	Mesenchymal stem cells (MSC)	Viability and proliferation ability	Stem cell, basic and veterinary research (standardized)

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ATP Bioluminescence Assays Requires a plate luminometer	LUMENESC™-96 HuQC	Mesenchymal stem cells (MSC)	Viability and proliferation ability	Standardized MSC quality control for cellular therapy and regenerative medicine.
	LUMENESC™-96 PQR		Proliferation potential	Standardized MSC product potency assay for cellular therapy and regenerative medicine
	LUMENESC™-Tox HT		Proliferation / cytotoxicity	*In vitro* toxicity testing (standardized & validated)
	STEMGlo™	Primary stem cells and stem cell lines	Viability and proliferation ability	Stem cell, basic and veterinary research (standardized)
	STEMGlo™-PREP		Stem cell self-renewal and expansion potential	Stem cell and veterinary research (standardized)
	STEMGlo™-Tox HT		Proliferation / cytotoxicity	*In vitro* toxicity testing (standardized & validated)
	STEMGlo™-PRT			
	NeuroGlo™-Complete	ES-derived neural stem and progenitor cells		
	XVPrime-Glo™	*Ex vivo* primary explanted cells	Viability and proliferation ability	Basic and veterinary research (standardized)
	XVPrime™-HT		Proliferation / cytotoxicity	*In vitro* toxicity testing (standardized & validated)
	XVPrime™-PRT			
	HepatoGlo™-HT	Hepatocytes	Cytotoxicity	
	CLGlo™	Cell lines and tumor cells	Viability, proliferation / cytotoxicity	Basic and veterinary research. *In vitro* toxicity testing (standardized)

To learn more about any of the assays, just click on the assay name to take you to the web page