

## Summary of Stem Cell Assay Products

ASSAY TYPE	ASSAY NAME	CELL TYPE	DETECTS	APPLICATION
<b>Methylcellulose colony-forming unit (CFU) assays</b> Requires an inverted microscope with 40x-100x magnification	<a href="#">CAMEO™-4</a>	Hematopoietic stem cells	Clonal differentiation ability	Clonal cell growth assay
	<a href="#">CAMEO™-96</a> <a href="#">STEMClone™</a>	Hematopoietic stem cells Primary stem cells and stem cell lines	Clonal proliferation and differentiation ability	
<b>Methylcellulose colony-forming cell (CFC) ATP bioluminescence assays</b> Requires an inverted microscope with 40x-100x magnification and plate luminometer				
<b>Absorbance / Colorimetric Assays</b> Requires an absorbance plate reader with a 490nm filter	<a href="#">HemoLIGHT™-96</a>	Hematopoietic stem cells	Viability and proliferation ability	Stem cell and veterinary research
	<a href="#">HemoLIGHT™-96 PCA<sup>EQ</sup></a>			Hematopoietic stem cell therapy
	<a href="#">HemoLIGHT™-96 PMT</a>			
	<a href="#">MSCLight™-96</a>	Mesenchymal stem cells (MSC)		Stem cell and veterinary research. Cell therapy and regenerative medicine
	<a href="#">STEMLight™</a>	Primary stem cells and stem cell lines		Stem cell and veterinary research
<b>Fluorescence Assays</b> Requires a fluorescence plate reader with excitation at 390-400nm and emission at 505nm	<a href="#">HemoFLUOR™-96</a>	Hematopoietic stem cells	Viability and proliferation ability	Stem, basic and veterinary research
	<a href="#">HemoFLUOR™-96 PCA<sup>EQ</sup></a>			Hematopoietic stem cell therapy
	<a href="#">HemoFLUOR™-96 PMT</a>			
	<a href="#">MSCFluor™-96</a>	Mesenchymal stem cells (MSC)		Stem cell and veterinary research. Cell therapy and regenerative medicine
	<a href="#">STEMFluor™</a>	Primary stem cells and stem cell lines		Stem cell and veterinary research

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ATP Bioluminescence Methylcellulose Assay Requires a plate luminometer	<a href="#"><u>CAMEO™-96</u></a>	Primary stem cells and stem cell line	Clonal proliferation	Standardized stem cell and veterinary research
ATP Bioluminescence Assays Requires a plate luminometer	<a href="#"><u>HALO®-96 Research</u></a>	Hematopoietic stem cells	Viability and proliferation ability	Standardized human and animal stem research
	<a href="#"><u>HALO®-96 PREP</u></a>			Standardized Stem cell self-renewal and expansion potential
	<a href="#"><u>HALO®-96 PCA<sup>EQ</sup></u></a>	CAMEO™-4, MethoCult® equivalent stem and progenitor cells	Viability and proliferation ability	Standardized and validated alternative to and replacement for CFU assays
	<a href="#"><u>STEMpredict™</u></a>	Stem cells	Viability, cell functionality and proliferation ability	Standardized and validated 3 day predictive assay for stem cell growth
	<a href="#"><u>HALO®-96 SPC-QC</u></a>	Primitive and/or mature stem cells	Viability and proliferation ability	Standardized and validated stem cell quality control assay for stem cell processing procedures
	<a href="#"><u>HALO®-96 PQR</u></a>	Primitive and mature stem cells	Proliferation potential	Standardized and validated stem cell product potency assay
	<a href="#"><u>HALO®-96 PMT</u></a>	Stem and progenitor cells	Proliferation ability	Time to engraftment and “Global” detection of hematopoietic and lympho-hematopoietic reconstitution
	<a href="#"><u>LUMENESC™-96</u></a>	Mesenchymal stem cells (MSC)	Viability and proliferation ability	Stem cell and veterinary research
	<a href="#"><u>LUMENESC™-96 HuQC</u></a>			Standardized MSC quality control for cellular therapy and regenerative medicine.

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<b>ATP Bioluminescence Assays</b> Requires a plate luminometer	<a href="#">LUMENESC™-96 PQR</a>	Mesenchymal stem cells (MSC)	Proliferation potential	Standardized MSC product potency assay for cellular therapy and regenerative medicine
	<a href="#">STEMGlo™</a>	Primary stem cells and stem cell lines	Viability and proliferation ability	Standardized stem cell and veterinary research
	<a href="#">STEMGlo™-PREP</a>		Stem cell self-renewal and expansion potential	
<b>ATP Bioluminescence Methylcellulose Assay</b> Requires a plate luminometer	<a href="#">STEMClone™</a>		Clonal proliferation	