

STEMdiff™ NK Cell Kit

For expansion and differentiation of hPSCs to NK cells

Catalog #100-0170 1 Kit



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Product Description

STEMdiff™ NK Cell Kit includes serum-free media and supplements for the feeder-free differentiation of human pluripotent stem cells (hPSCs) to natural killer (NK) cells expressing CD56.

STEMdiff™ Hematopoietic - EB reagents are animal-component free and optimized for lymphoid differentiation potential. Using these reagents, CD34⁺ hematopoietic progenitor cells are first generated from hPSCs; these can then be differentiated to NK cells using the StemSpan™ components.

NOTE: UM729 (Catalog #72332) is required for optimal differentiation of NK cells using STEMdiff™ NK Cell Kit; it is available for purchase separately.

Product Information

The following products are components of STEMdiff™ NK Cell Kit (Catalog #100-0170) and are also available for individual sale.

PRODUCT	CATALOG #	QUANTITY	STORAGE	SHELF LIFE
STEMdiff™ Hematopoietic - EB Basal Medium	100-0171	120 mL	Store at -20°C.	Stable for 12 months from date of manufacture (MFG) on label.
STEMdiff™ Hematopoietic - EB Supplement A	100-0172	265 µL	Store at -20°C.	Stable for 12 months from date of manufacture (MFG) on label.
STEMdiff™ Hematopoietic - EB Supplement B	100-0173	7 mL	Store at -20°C.	Stable for 12 months from date of manufacture (MFG) on label.
StemSpan™ Lymphoid Progenitor Expansion Supplement (10X) [†]	09915	5 mL	Store at -20°C.	Stable for 18 months from date of manufacture (MFG) on label.
StemSpan™ Lymphoid Differentiation Coating Material (100X) [†]	09925	250 µL	Store at -20°C.	Stable for 18 months from date of manufacture (MFG) on label.
StemSpan™ NK Cell Differentiation Supplement (100X)	09950	0.5 mL	Store at -20°C.	Stable for 2 years from date of manufacture (MFG) on label.
StemSpan™ SFEM II [*]	09605	100 mL	Store at -20°C.	Stable for 18 months from date of manufacture (MFG) on label.

[†]This product contains material derived from human plasma. Donors have been tested and found negative for hepatitis B surface antigen (HBsAg) and HIV-1 antibodies and/or HIV-1 antigen. However, this product should be considered potentially infectious and treated in accordance with universal handling precautions.

^{*}500 mL format is also available (Catalog #09655).

Directions for Use

For complete instructions, refer to the Technical Manual: Generation of NK Cells Using STEMdiff™ or StemSpan™ NK Cell Kits (Document #1000007537), available at www.stemcell.com or contact us to request a copy.

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