

# STEMdiff™ T Cell Kit

For expansion and differentiation of hPSCs to T cells

Catalog #100-0194 1 Kit



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## Product Description

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

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

## Product Information

The following products are components of STEMdiff™ T Cell Kit (Catalog #100-0194) 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) <sup>†</sup>	09915	5 mL	Store at -20°C.	Stable for 18 months from date of manufacture (MFG) on label.
StemSpan™ Lymphoid Differentiation Coating Material (100X) <sup>†</sup>	09925	2 x 250 µL	Store at -20°C.	Stable for 18 months from date of manufacture (MFG) on label.
StemSpan™ T Cell Progenitor Maturation Supplement (10X)	09930	12.5 mL	Store at -20°C.	Stable for 12 months from date of manufacture (MFG) on label.
StemSpan™ SFEM II <sup>†*</sup>	09605	2 x 100 mL	Store at -20°C.	Stable for 18 months from date of manufacture (MFG) on label.

<sup>†</sup>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 for STEMdiff™ or StemSpan™ T Cell Kits (Document #10000007541), available at [www.stemcell.com](http://www.stemcell.com) or contact us to request a copy.

PRODUCTS ARE FOR RESEARCH USE ONLY AND NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES UNLESS OTHERWISE STATED. FOR ADDITIONAL INFORMATION ON QUALITY AT STEMCELL, REFER TO [WWW.STEMCELL.COM/COMPLIANCE](http://WWW.STEMCELL.COM/COMPLIANCE).

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