

StemSpan™ Myeloid Expansion Supplement (100X)

Serum-free culture supplement for expansion and differentiation of human granulocytes

Catalog # 02693

1 mL



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Product Description

StemSpan™ Myeloid Expansion Supplement (100X) contains a combination of recombinant human cytokines formulated to selectively promote the expansion and differentiation of human myeloid progenitor cells, generating large numbers of CD15+ granulocytes from CD34+ cells isolated from human cord blood (CB) or bone marrow samples.

StemSpan™ Myeloid Expansion Supplement (100X) is intended for use in combination with any of the following StemSpan™ media:

- StemSpan™ SFEM (Catalog #09600) serum-free medium
- StemSpan™ SFEM II (Catalog #09605) improved version of SFEM serum-free medium
- StemSpan™-ACF (Catalog #09805) human and animal component-free medium

Advantages:

- Promotes the production of thousands of CD15+ granulocytes per input CD34+ human CB cell in 14-day liquid cultures.
- Supplied as a 100X concentrate. After thawing and mixing, the tube contents can be added directly to any hematopoietic cell expansion medium of choice.

Properties

Storage: Store at -20°C.

Shelf Life: Stable until expiry date (EXP) on label.

Contains:

- Recombinant human stem cell factor (SCF)
- Recombinant human thrombopoietin (TPO)
- Recombinant human granulocyte colony-stimulating factor (G-CSF)
- Recombinant human granulocyte/macrophage colony-stimulating factor (GM-CSF)

Handling / Directions For Use

1. Thaw StemSpan™ Myeloid Expansion Supplement (100X) at room temperature (15 - 25°C) until just thawed and mix well.
NOTE: If necessary, centrifuge for 30 seconds to recover liquid from cap.
NOTE: Once thawed, store supplement at 2 - 8°C for up to 1 month. Alternatively, aliquot and store at -20°C. After thawing aliquots, do not re-freeze.
2. Add StemSpan™ Myeloid Expansion Supplement (100X) to culture medium at a 1 in 100 dilution (e.g. add 1 mL of Supplement to 99 mL of culture medium). Mix well.

Notes and Tips

RELATED PRODUCTS

For related products, including specialized culture and storage media, supplements, antibodies, cytokines, and small molecules, visit www.stemcell.com/HSPCworkflow or contact us at techsupport@stemcell.com. For available fresh and cryopreserved peripheral blood, cord blood, and bone marrow products in your region, visit www.stemcell.com/primarycells.

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