

StemSpan™ CC100

Serum-free culture supplement for expansion of human hematopoietic cells

Catalog # 02690

1 mL



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Product Description

The StemSpan™ CC100 cytokine cocktail contains a combination of both early- and late-acting recombinant human (rh) cytokines formulated to support the proliferation of human hematopoietic cells. It is supplied as a 100X concentrate.

We recommend using StemSpan™ CC100 in combination with any of the following StemSpan™ media:

- StemSpan™ SFEM (Catalog #09600)
- StemSpan™ SFEM II (Catalog #09605)
- StemSpan™ H3000 (Catalog #09800) xeno-free and serum-free medium
- StemSpan™-ACF (Catalog #09805) human and animal component-free medium

Properties

- Storage:** Store at -20°C to -70°C.
- Shelf Life:** Stable until expiry date (EXP) on label.
- Contains:**
- Recombinant human fms-like tyrosine kinase 3 ligand (Flt3L)
 - Recombinant human stem cell factor (SCF)
 - Recombinant human interleukin 3 (IL-3)
 - Recombinant human interleukin 6 (IL-6)

Handling / Directions For Use

1. Thaw StemSpan™ CC100 at room temperature (15 - 25°C) or at 37°C until just thawed and mix well.
NOTE: If necessary, centrifuge for 30 seconds to remove liquid from cap.
NOTE: If not used immediately, store 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™ CC100 to culture medium at a 1 in 100 dilution (e.g. add 1 mL of StemSpan™ CC100 to 99 mL of culture medium).

ASSESSMENT OF HEMATOPOIETIC CELLS

Assessment of CD34+ cells before and after culture may be performed by flow cytometry using the following fluorochrome-conjugated antibody clones:

- Anti-Human CD34 Antibody, Clone 581 (Catalog #60013) or Clone 563 (Catalog #60119) or Clone 8G12 (Catalog #60121)
- Anti-Human CD45 Antibody, Clone HI30 (Catalog #60018) or Clone 2D1 (Catalog #60123)

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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