

# StemSpan™ CC110

**Serum-free culture supplement for expansion of human hematopoietic cells**

Catalog # 02697 1 mL



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TOLL FREE PHONE 1 800 667 0322 • PHONE +1 604 877 0713  
INFO@STEMCELL.COM • TECHSUPPORT@STEMCELL.COM  
FOR GLOBAL CONTACT DETAILS VISIT OUR WEBSITE

## Product Description

StemSpan™ CC110 cytokine cocktail contains a combination of early-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™ CC110 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 thrombopoietin (TPO)

## Handling / Directions For Use

1. Thaw StemSpan™ CC110 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™ CC110 to culture medium at a 1 in 100 dilution (e.g. add 1 mL of StemSpan™ CC110 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](http://www.stemcell.com/HSPCworkflow) or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com). For available fresh and cryopreserved peripheral blood, cord blood, and bone marrow products in your region, visit [www.stemcell.com/primarycells](http://www.stemcell.com/primarycells).

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