

PRODUCT DESCRIPTION

StemSpan™-ACF is an animal-component free medium for the in vitro culture and expansion of human hematopoietic cells. This medium contains recombinant proteins and synthetic components. It does not contain serum or other human or animal-derived components. Recombinant hematopoietic growth factors, required for the optimal growth and expansion of hematopoietic cells, have not been added to StemSpan™-ACF. This allows users the flexibility to add growth factors and other supplements according to their requirements.

COMPONENTS

09805/09855 StemSpan™-ACF 100 mL/500 mL

Product contains only recombinant proteins and synthetic components. It does not contain serum or other human or animal-derived components.

Product is aseptically manufactured using tightly controlled processes and extensively pre-screened components.

Product is sterility tested.

STABILITY AND STORAGE

09805/09855 StemSpan™-ACF 100 mL/500 mL

Product stable at -20°C for 12 months from date of manufacture as indicated on label.

It is recommended that StemSpan™-ACF be thawed under refrigeration (2 - 8°C) or at room temperature (15 - 25°C), mixed well and then aliquoted. These aliquots should be stored at -20°C. Avoid additional freeze-thaw cycles.

DIRECTIONS FOR USE

1. Thaw StemSpan™-ACF, as described above, and mix well.
2. Aseptically add desired components, such as growth factors, to StemSpan™-ACF.
3. Add cells and set up cultures as desired.



NOTES

Selection of an optimal growth factor combination is dependent upon the source and type of cells and the experimental objectives of the researcher. StemSpan™ Cytokine Cocktails (CC) are suitable for use with StemSpan™-ACF.

PRODUCTS	RECOMMENDED FOR	CONTENT
StemSpan™ CC100 Catalog #02690	Culture and expansion of human hematopoietic cells including CD34 ⁺ cells, stem cells and progenitor cells	rh Flt-3 ligand rh SCF rh IL-3 rh IL-6
StemSpan™ CC110 Catalog #02697	Culture and expansion of human hematopoietic cells including CD34 ⁺ cells, stem cells and progenitor cells	rh Flt-3 ligand rh SCF rh TPO
StemSpan™ CC220 Catalog #02696	Culture and expansion of human megakaryocyte progenitors and megakaryocytes	rh SCF rh TPO rh IL-6 rh IL-9

SCF = Stem Cell Factor; TPO = Thrombopoietin; IL = Interleukin; rh = recombinant human.

FOR RESEARCH USE ONLY. NOT FOR THERAPEUTIC OR DIAGNOSTIC USE.



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