

StemSpan™-ACF Erythroid Expansion Medium

Animal component-free medium for culture and expansion of human erythroid cells

Catalog # 09860

500 mL



Scientists Helping Scientists™ | WWW.STEMCELL.COM

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™-ACF Erythroid Expansion Medium is an animal component-free (ACF) medium for the in vitro culture and expansion of human hematopoietic cells. When supplemented with StemSpan™ Erythroid Expansion Supplement (100X; Catalog #02692), this medium supports the expansion and erythroid differentiation of human hematopoietic progenitor cells into CD71+ and Glycophorin A+ erythroblasts in ACF culture conditions. This medium only contains recombinant proteins and synthetic components; it does not contain serum or other human- or animal-derived components.

- Optimized for the expansion and erythroid differentiation of human hematopoietic progenitor cells when used in combination with StemSpan™ Erythroid Expansion Supplement (100X)
- Generates thousands of CD71+ and Glycophorin A+ erythroblasts per CD34+ cell from cord blood

Properties

Storage: Store at 2 - 8°C. Do not freeze.

Shelf Life: Stable for 12 months from date of manufacture (MFG) on label.

Contains: This product contains only recombinant proteins and synthetic components.

Handling / Directions For Use

1. Warm StemSpan™-ACF Erythroid Expansion Medium to room temperature (15 - 25°C) before use by transferring the required amount of medium to a smaller container (e.g. 50 mL conical tube, Catalog #38010).
NOTE: Do not heat up the whole bottle if only a small amount of medium is required for the experiment, as frequent temperature changes may affect the performance of the medium.
2. Add StemSpan™ Erythroid Expansion Supplement (100X; Catalog #02692) at a 1 in 100 dilution.
3. If desired, add other cytokines, growth factors, or other components and mix well.
4. Add cells, mix well, and set up cultures as desired. A cell concentration of 10,000 CD34+ cells/mL is recommended.

Notes and Tips

This medium has been optimized for use with StemSpan™ Erythroid Expansion Supplement (100X; Catalog #02692), which contains recombinant human (rh) cytokines (rh SCF, rh IL-3, and rh EPO) to promote the erythroid outgrowth of human hematopoietic progenitor cells and to generate large numbers of CD71+/Glycophorin A+ erythroblasts in culture.

STEMCELL TECHNOLOGIES INC.'S QUALITY MANAGEMENT SYSTEM IS CERTIFIED TO ISO 13485. PRODUCTS ARE FOR RESEARCH USE ONLY AND NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES UNLESS OTHERWISE STATED.

Copyright © 2019 by STEMCELL Technologies Inc. All rights reserved including graphics and images. STEMCELL Technologies & Design, STEMCELL Shield Design, Scientists Helping Scientists, and StemSpan are trademarks of STEMCELL Technologies Canada Inc. All other trademarks are the property of their respective holders. While STEMCELL has made all reasonable efforts to ensure that the information provided by STEMCELL and its suppliers is correct, it makes no warranties or representations as to the accuracy or completeness of such information.