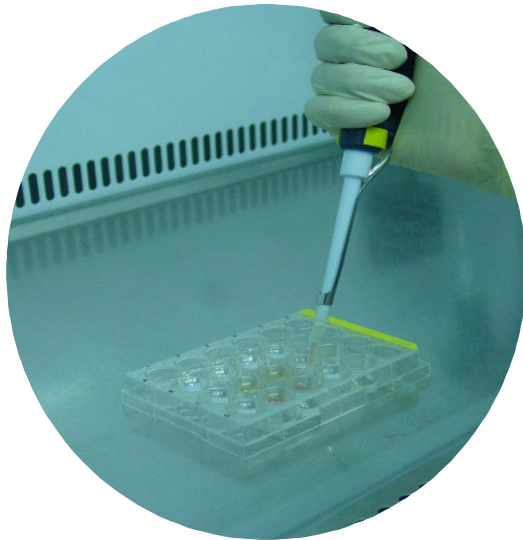


(Ref. 5514)



# STEM $\alpha$ .AG

Serum-free liquid medium, with cytokines, for culture and cellular expansion of human « white » progenitors from peripheral blood, bone marrow, umbilical cord blood and CD34+ cells.

- Suggestion ☞ Granulo-Monopoiesis study from human haematopoietic cells
  
- Composition ☞ IMDM, bovine serum albumin, rh-insulin, nucleosides, synthetic-lipids, L-glutamine, 1-monothiglycerol
  
- Recombinant proteins ☞ IL1, IL-3, IL-6, ScF, G-CSF, GM-CSF Flt3 ligand.
  
- Performance ☞ We suggest renewing the medium every seven days
  
- Plate ☞ CD34+ cells : 1000 cells / ml  
Mononucleated cells : 1 x 10<sup>5</sup> cells / ml
  
- Count ☞ According to your own experimental conditions
  
- Storage ☞ Stable 24 months at -20 °C      ☞ Stable 6 months at +4 °C  
☞ Thaw at +4 °C                              ☞ Never thaw at +37 °C  
☞ light sensitive product                ☞ Before aliquoting, homogenize
  
- Quality system ☞ ISO 9001(2000) conform to ISO 13485(2003)
  
- Warning ☞ This product is designed for in vitro use only

## PRODUCT IDENTIFICATION

Product	Reference	Volume
STEM $\alpha$ .AG	5514	100 ml

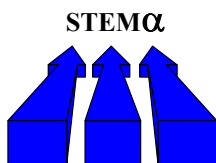
Ref. Hermitte F., Brunet de la Grange P., Belloc F., Praloran V. and Ivanovic Z. (2006) Very low O2 concentration (0.1%) favors G0 return dividing CD34+ cells. *Stem Cells*, **24**, 1, 2006, 65-73.

Ref. Andre-Garnier E, Milpied N, Boutolleau D, Saiagh S, Billaudel S and Imbert-Marcille B-M (2004). Reactivation of human herpesvirus + during ex vivo expansion of circulating CD34+ haematopoietic stem cells. *J Gen Virol.* **85**, 3333-3336.

Ref. Ivanovic Z, Hermitte F, Brunet de la Grange P, Dazey B, Belloc F, Lacombe F, Vezon G and Praloran V. (2004) Simultaneous maintenance of human cord blood SCID-repopulating cells and expansion of committed progenitors at low O2 concentration (3%). *Stem Cell* **03** -0131.R1.

Ref. Desplat V., et al. (2002). Hypoxia modifies proliferation and differentiation of CD34+ CML Cells. *STEM CELLS* 2002;**20**:347-354

Ref. Ivanovic Z. et al. Culture of cord blood CD34 cells in moderate hypoxia (3% O2) with a low dose of IL3 better expands pre-CFCs than at 20% O2 without modifying the expansion of CFCs., Abstract nr 0158, Parthen Impact.



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