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 10^5 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
- light sensitive product
- Before aliquoting, homogenize

**Warning**
- This product is designed for in vitro use only

### PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>Product</th>
<th>Reference</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEMα.AG</td>
<td>5514</td>
<td>100 ml</td>
</tr>
</tbody>
</table>

---

**Ref.** Hermitte F., Brunet de la Grange P., Belloc F., Praloran V. and Ivanovic Z. (2008) Very low O2 concentration (0.1%) favors G0 return dividing CD34+ cells. Stem Cells, 24, 1, 2006, 65-73.


**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.