SAGE 1-Step™ GM-CSF

Unique culture medium for poor prognosis patients
SAGE 1-Step GM-CSF

SAGE 1-Step GM-CSF is the world’s first continuous culture medium containing the recombinant human cytokine GM-CSF.

Recommended for patients who have:
- Experienced recurrent clinical and biochemical pregnancy loss
- Experienced recurrent implantation failure
- Unexplained infertility

GM-CSF facilitates the communication between embryo and endometrium, increasing the chances of successful implantation.

- Hyaluronan in combination with HSA promotes embryo development and cryosurvival
- Optimized energy substrates D-glucose and L-lactate levels supporting uninterrupted continuous culture
- Designed to reduce ammonium build-up through the use of a stable glutamine source
- High Mg2+ to Ca2+ ratio limits detrimental stress-induced calcium influx into the embryo
- Use of bioactive L-lactate for better control of intracellular pH

SAGE 1-Step GM-CSF is intended for in vitro culture of human embryos following fertilization until Day 5/6 of development. The medium can also be used for embryo transfer.

Product Specifications

- 2 ng/mL GM-CSF
- HSA: 5 mg/mL or SPS: 5 mg/mL
- HSA version contains hyaluronate
- Recommended pH (6% CO2): 7.3±0.1
- Osmolality (mOsm/kg): 257–273 mOsm/kg (265 mOsm/kg)
- Mouse embryo assay (MEA): >80% (BL Rate / 1-cell)
- Shelf life is 26 weeks from date of manufacture
- Shelf life after opening is 7 days
- Ready to use

Components

- GM-CSF
- Sodium hyaluronate
- HSA / SPS
- Physiological salts
- Energy substrates
  - Non-essential amino acids
  - Essential amino acids
- EDTA
- Gentamicin sulfate
- Phenol red

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Product Name</th>
<th>Volume (mL)</th>
<th>Article Description</th>
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<tbody>
<tr>
<td>77010003</td>
<td>SAGE 1-Step GM-CSF</td>
<td>3</td>
<td>With HSA and phenol red</td>
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<tr>
<td>77020003</td>
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