hMSC chondrogenesis induction medium, serum-free

Cat.-Nr.: 203 0902

contains of:

<table>
<thead>
<tr>
<th>Basal media</th>
<th>Supplements</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 0902 500 ml hMSC chondrogenesis induction medium, basal</td>
<td>221 1000 HEPES (+4°C)</td>
</tr>
<tr>
<td>238 0902</td>
<td>238 0902 ITS (+4°C)</td>
</tr>
<tr>
<td>218 0902</td>
<td>218 0902 hMSC chondrogenesis induction Supplement-Mix 1 (-20°C)</td>
</tr>
<tr>
<td>247 0902</td>
<td>247 0902 TGF-B1 (-20°C)</td>
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<tr>
<td>236 0350</td>
<td>236 0350 Antibiotics (optional) (-20°C)</td>
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</tbody>
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Maintenance of hMSC chondrogenesis induction medium:
Place the bottle of medium in the dark at 4°C to 8°C immediately after delivery. Store the separate delivered Supplements at -20°C /+4°C. Take care on the instructions on the Supplement vials !!!

Characteristics:
The Proviro hMSC chondrogenesis induction medium is a sterile liquid culture medium for inducing chondrogenic differentiation of human mesenchymal stem cells (hMSC). The medium is delivered as a basal medium and is suitable for culturing hMSC after adding all the supplement mix components. The formulation is optimized for initial seeding of 6,000 cells / cm² up to confluence (approx. 90%). Feeder-layer, matrix substrates or other substances are not necessary. Due to the possibility of reduced proliferative activity we recommend to use the antibiotic supplement for freshly isolated cells only.

Stability and storage:
The supplemented hMSC chondrogenesis induction medium can be stored in the dark at 4°C to 8°C for up to 2 weeks. Do not heat the medium over 37°C or use uncontrollable sources of heat (e.g. microwave appliances). If only a part of the medium is to be used, remove this amount from the bottle and heat it.

Special note:
Do not freeze the medium. This can lead to high salt concentrations by freezing out pure water which will cause irreversible damage.

Quality control:
Proviro's hMSC chondrogenesis induction medium is thoroughly tested after each production. All components are tested in a stringent biological assay. Each batch is checked for hMSC chondrogenesis induction characteristics. The cells cultured in hSMC chondrogenesis induction medium are checked regarding their morphology, the adherence rate, the colony forming efficiency and the population doubling time.

Product specification:
The pH is set at 7.6 and osmolality at 285 ± 10 mOsm / kg.

In vitro laboratory use only.
Not intended for any human or animal diagnostic or therapeutic use.