Human Hepatic Stellate Cells

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Product Name</th>
<th>Product quantity</th>
<th>Short-term Storage</th>
<th>Long-term Storage</th>
<th>Thawing Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>ax3760</td>
<td>Hepatic Stellate Cells</td>
<td>100,000 cells/vial</td>
<td>Liquid nitrogen</td>
<td>Liquid nitrogen</td>
<td>See below</td>
</tr>
<tr>
<td>ax3761</td>
<td>Hepatic Stellate Cell Culture Medium</td>
<td>250 mL</td>
<td>4°C for 1 month</td>
<td>-20°C for 6 months</td>
<td>Thaw at 4°C or RT</td>
</tr>
</tbody>
</table>

Lot-specific information such as donor details and passage number are stated in the Certificate of Analysis for each product.

**Recommendations:**

Always count the number of viable cells after thawing

- Recommended culture vessel coating: Type I Collagen
- Recommended cell culture medium: Axol Hepatic Stellate Cell Culture Medium
- Recommended seeding density: 4,000 viable cells/cm²
- Recommended centrifugation speed: 250 x g for 5 min

**Thawing & Plating:**

Coat the culture vessels with Type I Collagen or use pre-coated culture vessels

- Thaw the cells quickly in a 37°C water bath until just prior to complete thawing
- Wipe the outside of the vial with 70% ethanol
- Gently resuspend the cells and transfer to a 15 mL sterile conical tube
- Slowly add 10 mL of pre-warmed Hepatic Stellate Cell Culture Medium
- Rinse the cryovial with 1 mL of Hepatic Stellate Cell Culture Medium to ensure all of the cells are transferred
- Centrifuge the cells at 250 x g at room temperature for 5 min
- Carefully remove the supernatant and resuspend in 1-2 mL of pre-warmed Hepatic Stellate Cell Culture Medium and perform a cell count
- Dilute the cells into the required volume of pre-warmed Hepatic Stellate Cell Culture Medium
- Seed cells into the culture vessel (coated with type I collagen) at the recommended seeding density
Protocol

• After 24 h, replace the culture medium with fresh, pre-warmed Hepatic Stellate Cell Culture Medium
• Frequency of media changes: Every 2 days

Passaging:

• Passage when the culture reaches: 90% confluent
• Recommended passaging reagent: Trypsin-EDTA
• Neutralize the trypsin with Hepatic Stellate Cell Culture Medium and centrifuge the cells at 250 x g for 5 min
• Remove the supernatant and resuspend in 1-2 mL of pre-warmed Hepatic Stellate Cell Culture Medium
• Perform a cell count to determine the number of viable cells
• Dilute the cells into the required volume of pre-warmed Hepatic Stellate Cell Culture Medium
• Seed cells into the culture vessel (coated with type I collagen) at the recommended seeding density

Usage Statement:

Our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans.