Human Pericytes

<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>ax3009</td>
<td>Human Pericytes</td>
<td>500,000 cells/vial</td>
<td>Liquid nitrogen</td>
<td>Liquid nitrogen</td>
<td>See below</td>
</tr>
<tr>
<td>ax0040</td>
<td>Pericyte Growth Medium</td>
<td>500 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: Not required
- Recommended cell culture medium: Axol Pericyte Growth Medium
- Recommended seeding density: 4,000 viable cells/cm²
- Recommended centrifugation speed: 220 x g for 5 min

**Thawing & Plating:**

- 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 Pericyte Growth Medium
- Rinse the cryovial with 1 mL of Pericyte Growth Medium to ensure all of the cells are transferred
- Centrifuge the cells at 220 x g at room temperature for 5 min
- Carefully remove the supernatant and resuspend in 1-2 mL of pre-warmed Pericyte Growth Medium and perform a cell count
- Dilute the cells into the required volume of pre-warmed Pericyte Growth Medium
- Seed cells into the culture vessel at the recommended seeding density
- After 24 h, replace the culture medium with fresh, pre-warmed Pericyte Growth Medium
- Frequency of media changes: Every 2-3 days
Human Pericyte Protocol

Passaging:

- Passage when the culture reaches: 80% confluent
- Recommended passaging reagent: Trypsin-EDTA
- Neutralize the trypsin with pre-warmed **Pericyte Growth Medium** and centrifuge the cells at 220 x g for 5 min
- Remove the supernatant and resuspend in 1-2 mL of pre-warmed **Pericyte Growth Medium**
- Perform a cell count to determine the number of viable cells
- Dilute the cells into the required volume of pre-warmed **Pericyte Growth Medium**
- Seed cells into the culture vessel at the recommended seeding density

**We recommend using the human pericytes for endpoint assays prior to passage 4**

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.