

Human Pericytes

Catalog No.	Product Name	Product quantity	Short-term Storage	Long-term Storage	Thawing Instructions
ax3009	Human Pericytes	500,000 cells/vial	Liquid nitrogen	Liquid nitrogen	See below
ax0040	Pericyte Growth Medium	500 mL	4°C for 1 month	-20°C for 6 months	Thaw at 4°C or RT

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

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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.

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