axol

Human Pericytes

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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 room temperature

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

Recommendations

- Recommended culture vessel coating: Not required
- Recommended cell culture medium: **Pericyte Growth Medium**
- Recommended seeding density: **4,000 viable cells/cm²**
- Recommended centrifugation speed: **220 x *g*** for **3 minutes**

Important!

Always count the number of viable cells after thawing.

Thawing and Plating

- Transfer the vial of cells from liquid nitrogen storage with the vial buried in dry ice. Remove the vial from dry ice and transfer it immediately to a **37°C** water bath.
- Thaw the cells quickly in a **37°C** water bath. Remove the vial before the last bit of ice has melted, after ~1-2 minutes.
- 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*** for **5 minutes** at room temperature.
- 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, **37°C**, **Pericyte Growth Medium**.
- Seed cells into the culture vessel at the recommended seeding density.
- After 24 hours, replace the culture medium with fresh, pre-warmed, **37°C**, **Pericyte Growth Medium**.
- Frequency of media changes: **Every 2-3 days**

Passaging

- Passage when the culture reaches: **80% confluent**
- Recommended passaging reagent: **Trypsin-EDTA**

- Neutralize the trypsin with pre-warmed, **37°C**, **Pericyte Growth Medium** and centrifuge the cells at **220 x *g*** for **5 minutes**.
- Remove the supernatant and resuspend in **1-2 mL** of pre-warmed, **37°C**, **Pericyte Growth Medium**.
- Perform a cell count to determine the number of viable cells.
- Dilute the cells into the required volume of pre-warmed, **37°C**, **Pericyte Growth Medium**.
- Seed cells into the culture vessel at the recommended seeding density.

Important!

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

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.

Got any questions? Need help with the protocol?
Contact Axol Technical Support at **support@axolbio.com**
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Notes

Notes

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