

Human Hepatic Stellate Cells

Catalog No.	Product Name	Product quantity	Short-term Storage	Long-term Storage	Thawing Instructions
ax3760	Hepatic Stellate Cells	100,000 cells/vial	Liquid nitrogen	Liquid nitrogen	See below
ax3761	Hepatic Stellate Cell Culture Medium	250 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: 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

Address: Axol Bioscience Limited, Suite 3, The Science Village, Chesterford Research Park, Little Chesterford, Cambridgeshire, CB10 1XL

Phone: +44 (0) 1223 751 051

Email: support@axolbio.com

Web: www.axolbio.com

- 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.

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