

Uncultured Human Hepatocytes

Catalog No.	Product Name	Product quantity	Short-term Storage	Long-term Storage	Thawing Instructions
ax3750	Uncultured Hepatocytes	5 million cells/ vial	Liquid nitrogen	Liquid nitrogen	See below
ax3751	Uncultured Hepatocyte Plating Medium	250 mL	4°C for 1 month	-20°C for 6 months	Thaw at 4°C or RT
ax3752	Uncultured Hepatocyte Maintenance 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 information is stated in the Certificate of Analysis.

Recommendations:

- Always count the number of viable cells after thawing
- Recommended culture vessel coating: Type I Collagen
- Recommended cell culture media: Axol Uncultured Hepatocyte Plating Medium & Axol Uncultured Hepatocyte Maintenance Medium
- Recommended seeding density: 200,000 viable cells/cm²
- Recommended centrifugation speed: 100 x g at 4°C for 10 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 cold **Plating Medium**.
- Rinse the cryovial with 1 mL of cold **Plating Medium** to ensure all of the cells are transferred.
- Centrifuge the cells at 100 x g at 4°C for 10 min.
- Carefully remove the supernatant and resuspend in 1-2 mL of cold **Plating Medium** and perform a cell count.
- Dilute the cells into the required volume of pre-warmed **Plating Medium**.
- Seed cells into the culture vessel (coated with Type I Collagen) at the recommended seeding density.
- Once the cells have attached (after 6-24 h), replace the culture medium with pre-warmed **Maintenance Medium**.
- Proceed with experiment assays.

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

Passaging:

- Primary hepatocytes cannot be passaged. Cells should be plated and used directly 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.

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