

Uncultured Human Kupffer Cells

Catalog No.	Product Name	Product quantity	Short-term Storage	Long-term Storage	Thawing Instructions
ax3755	Axol Uncultured Kupffer Cells	1 million cells/ vial	Liquid nitrogen	Liquid nitrogen	See below
ax3756	Axol Kupffer Cell Plating Medium	250 mL	4°C for 30 days	-20°C for 6 months	Thaw at 4°C or RT
ax3757	Axol Kupffer Cell Maintenance Medium	250 mL	4°C for 30 days	-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 Kupffer Cell Plating Medium & Axol Kupffer Cell Maintenance Medium
- Recommended seeding density: 100,000 viable cells/cm²
- Recommended centrifugation speed: 500 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 cold **Plating Medium**. The use of cold medium prevents cell attachment to the conical tube.
- Rinse the cryovial with 1 mL of cold **Plating Medium** to ensure all of the cells are transferred.
- Centrifuge the cells and resuspend in 1 mL of cold **Plating Medium** and perform a cell count.
- Dilute the cells into the required volume of warm **Plating Medium**.
- Seed cells into the culture vessel (coated with Type I Collagen) at the recommended seeding density.
- Once the cells have attached (after 4-6 h), replace the medium with warm **Maintenance Medium**.
- Replace the **Maintenance Medium** after 24 h and proceed with experiment.

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Passaging:

- We do not recommend passaging the Kupffer cells as they should be 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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