Human Renal Epithelial Cells

Catalog No.	Product Name	Product quantity	Short-term Storage	Long-term Storage	Thawing Instructions
ax3007	Renal Proximal Tubule Epithelial Cells	500,000 cells / vial	Liquid nitrogen	Liquid nitrogen	See below
ax3503	Renal Cortical Epithelial Cells	500,000 cells / vial	Liquid nitrogen	Liquid nitrogen	See below
ax3505	Renal Mixed Epithelial Cells	500,000 cells / vial	Liquid nitrogen	Liquid nitrogen	See below
ax3506	Renal Medullary Epithelial Cells	500,000 cells / vial	Liquid nitrogen	Liquid nitrogen	See below
ax3534	Renal Epithelial Cell Culture 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 Renal Epithelial Cell Culture Medium
- Recommended seeding density: 5,000 viable cells/cm^2
- Recommended centrifugation speed: 150 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 take an aliquot to perform a cell count.
- Slowly dilute the cells into the required volume of pre-warmed **Renal Epithelial Cell Culture Medium** (must be at least 10 mL so that the concentration of DMSO is less than 1%).
- Rinse the cryovial with 1 mL of **Renal Epithelial Cell Culture Medium** to ensure all of the cells are transferred.
- Seed cells into the culture vessel at the recommended seeding density.
- Once the cells have attached (after 6-24 h), replace the culture medium.
- Frequency of media changes: Every 2 days

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:

- Passage when the culture reaches: 95% confluent
- Recommended passaging reagent: Trypsin/EDTA
- Neutralize the trypsin with **Renal Epithelial Cell Culture Medium** and centrifuge the cells at 150 x *g* for 5 min.
- Remove the supernatant and resuspend in 1-2 mL of pre-warmed **Renal Epithelial Cell Culture Medium**
- Perform a cell count to determine the number of viable cells.
- Dilute the cells into the required volume of pre-warmed **Renal Epithelial Cell Culture Medium**
- Seed cells into the culture vessel 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.

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