ATCC®

May 2016

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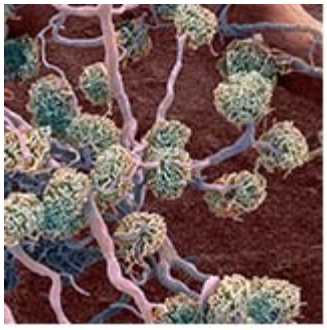
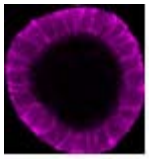
cellpassages



ATCC *In Vitro* Toxicology Model - *New*

ATCC is pleased to offer the OAT1 HEK 293T/17 (ATCC® CRL-11268G-1™) cell line. These cells stably express organic anion transporter 1 (OAT-1), a renal uptake transporter that plays a key role in the kidney's clearance of drugs and endogenous compounds. This cell line represents a superior model for nephrotoxicity screening and renal physiology, as OAT expression is lost by many cells after 24-36 hours in culture. Additionally, the OAT1 HEK 293T/17 cells are easy to culture as they have similar growth properties as the parental cell line.

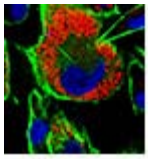
Improve your renal toxicity studies with OAT1 HEK 293T/17 cells.



Kidney Cells

ATCC's holdings include a vast collection of cell lines derived from the kidney, representing the normal and diseased tissue of multiple species. Many of these cells can be used to build reliable models for the study of urolithiasis, renal function, glomerulonephritis, and kidney cancer.

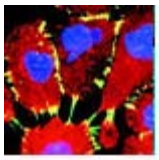
Browse our extensive collection of kidney cell lines.



Physiologically Relevant Controls

ATCC offers both primary and hTERT-immortalized renal epithelial cells, including those derived from the renal proximal convoluted tubule and renal cortex, as well as mixed epithelial cells. These cells are well-suited for the study of normal renal physiology, toxicological screens, and can be used in drug discovery applications.

Start your renal research with physiologically relevant primary and hTERT-immortalized cell models.



Bladder Cancer Cell Panel

The ATCC Bladder Cancer Cell Panel (ATCC® TCP-1020™) comprises 8 bladder tumor cell lines with genomic mutations in one or more of the following genes: PIK3CA, RB1, RAS, TSC1, CDKN2A, PTEN, and TP53. This panel is useful for studying the top genetic alterations across tumor types, validating and characterizing potential cancer driver genes, and testing small molecules or biologics for cancer drug development.

Order the ATCC Bladder Cancer Cell Panel today!

ATCC Puzzle

Try this month's crossword puzzle and test your knowledge of kidney biology! The solution will appear in next month's issue.

For the solution to last month's Cryogenic Customs puzzle click here.

Publications

- Animal Cell Culture Guide
- Cell Lines by Gene Mutation Brochure
- Genetic Alterations Panels Brochure
- Transfection Reagents for Nucleic Acid Transfer into ATCC Cells Brochure

Frequently Asked Questions

Q: Do the OAT1 HEK 293T/17 (ATCC® CRL-11268G-1™) cells respond to OAT-1 inhibitors?

A: Yes. Novobiocin and Probenecid, which are known inhibitors of OAT-1, potently reduce the transport of 5-CF into OAT1 HEK 293T/17.

Have more questions?

Cell Biology Collections

Cell Line Authentication

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Cell Biology Resources

Cell Culture Conversation

ATCC - 10801 University Boulevard, Manassas, VA 20110

Image of kidney cell tubules courtesy of Moe Mahjoub, Stanford University, ATCC Photo Contest 2011 and Image of MDCK cells courtesy of Christopher Chin, Massachusetts General Hospital, ATCC Photo Contest 2011.