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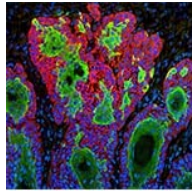


February 2017

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Are you going to the Society of Toxicology 56th Annual Meeting and ToxExpo™? Stop by booth #2246 to learn about ATCC's new products for studying:

- Neurotoxicity
- Renal toxicity
- Cardiovascular toxicity
- Skin toxicity
- Airway toxicity

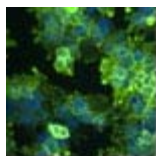
Be sure to visit our scientific poster presentation:

Development of Solute Carrier Transporter Kidney Cell Models Using hTERT-immortalized Renal Proximal Tubule Epithelial Cells

Presented by Chaozhong Zou, Ph.D., *Senior Scientist*, ATCC

Tuesday, March 14, 9:30 AM - 12:45 PM

Abstract #1667, Board #P129



HEK-OAT1 Application Note

Clearance of organic toxins by the kidney is a critical mechanism for mammalian homeostasis and for testing the toxicity of experimental drugs and other compounds.

To support the need for consistent cell culture models of kidney transport, we created a



Webinar: Genetically Modified Human Renal Proximal Tubule Epithelial Cells (RPTEC/TERT1)

Presenters:

Chaozhong Zou, *Senior Scientist*, ATCC

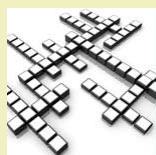
February 23, 12:00 PM ET

HEK293T/17 cell line that stably expresses the human organic anion transporter (OAT1-HEK 293T/17; [ATCC® CRL-11268G-1™](#)). Learn how OAT1-HEK 293T/17 can be used to test the regulation of OAT1 membrane transporter activity in kidney cells in [ATCC® Ap Note No. 24](#).

Download
the
application
note

This presentation will introduce hTERT-immortalized RPTEC that stably overexpress the OAT1, OCT2, or OAT3 gene. These modified cell lines provide kidney tissue-relevant results, improved consistency over time, and more predictability for clinical trials versus current models.

Register
for this
session



ATCC Puzzle

Try this [month's crossword puzzle](#)

and test your knowledge of toxicology. The solution will appear in next month's issue.

For the solution to last month's Telomerase Territory puzzle [click here](#).

Resources

- [hTERT-immortalized Cell Culture Guide](#)
- [Establishment and characterization of a kidney-drug interaction model by stably expressing hOAT1 in HEK 293T/17 cells](#)
- [Toxicology Tools](#)



Frequently Asked Questions

Q: Does the OAT1-HEK293T/17 ([ATCC® CRL-11268G-1™](#)) cell line respond to OAT1 inhibitors?

A: OAT1-HEK cells respond to Inhibitors of OAT1, including novobiocin and probenecid, as assayed by 5-CF uptake.

[Have more questions?](#)

Cell Biology Collections

Cell Line Authentication

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Cell Biology Resources

Webinar Registration

ATCC - 10801 University Boulevard, Manassas, VA 20110

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