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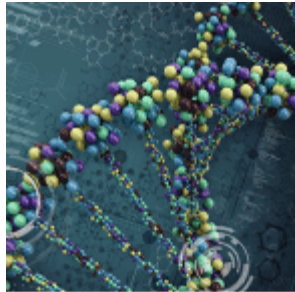


December 2016

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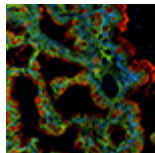
cell passages



Purified and Quantitated Genomic Cell Line DNA

ATCC provides highly pure qDNA extracted from cell lines containing the most relevant cancer biomarkers that have been quantified by validated methods for each product lot. Because qDNA are fully quantified by NGS and Droplet Digital™ PCR (ddPCR™), they are compatible with several lab-developed and commercially available assays as BSL-1, ready-to-use controls for your assays.

Explore qDNA at www.atcc.org/celldna.

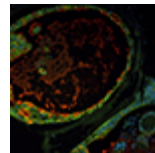


ATCC at ASCB 2016

December 3-7, 2016

ATCC will be attending the ASCB 2016 meeting in San Francisco, CA. Visit us at booth #705 to learn about what's new at ATCC. Also, please join us for our poster presentation as well as our in-booth Meet the Scientist talk.

Universal Extracellular Matrix Supports Toxicology and Drug Screening in 2D and 3D Cell Culture Models from iPSC-derived Cells, Primary Cells, Engineered Lines, and Cancer Lines
Joy Wells, M.S., *Lead Biologist*
ATCC



Directed

Differentiation of Gastrointestinal Epithelial Organoids Using ATCC® CellMatrix Basement Membrane from Multiple Human iPSC Lines

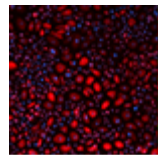
In this application note, three human [iPSC](#) lines were tested for their ability to generate gastrointestinal organoids using defined culture media in a 2D/3D culture system using CellMatrix Basement Membrane Gel (ATCC® ACS-3035™). Starting from

ASCB Learning Center, Exhibit Halls; Presentation #p877; Board #B250 Monday, December 5, 1:30 – 3:00 PM

Cell Health Maintenance and Viability
 Steven Budd, M.S., M.B.A.,
Product Line Business Specialist,
 ATCC
 Booth #705, Tuesday, December 6, 1:30 – 2:00 PM

monolayer cultures, iPSCs were driven towards a fore- or antral-gut fate using various niche factors. After 4 weeks in culture, organoids expressed tissue-relevant markers indicating the presence of multiple differentiated cell types including secretory goblet cells, absorptive enterocytes, and paneth cells.

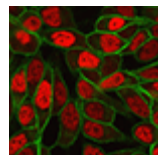
[Download](#) the application note.



Primary Human Gingival Cells

ATCC now offers primary human gingival fibroblasts and keratinocytes as an excellent alternative source for cells in stem cell therapies in regenerative medicine and for research in oral diseases and cancer. Both gingival cell types can be supported with ATCC primary cell culture media - order everything you need:

ATCC [®] No.	Designation
PCS-201-018 [™]	Primary Gingival Fibroblasts
PCS-200-014 [™]	Primary Gingival Keratinocytes
PCS-201-030 [™]	Fibroblast Basal Medium
PCS-200-030 [™]	Dermal Cell Basal Medium
PCS-201-041 [™]	Fibroblast Growth Kit-Low Serum
PCS-200-040 [™]	Keratinocyte Growth Kit



E006AA-hT Prostate Cells

E006AA-hT ([ATCC[®] CRL-3277](#)[™]) may be employed in basic and translational research in prostate cancer in general and most specifically in prostate cancer disparity research *in vitro* and *in vivo*. This cell line is highly tumorigenic in both NOD-SCID and athymic nude mice and demonstrates invasive behavior by invading adjacent lymphovascular tissue, adipose tissue, and muscles.

[Advance your prostate cancer studies today.](#)

ATCC
Puzzle

Resources

▪ [Webinar: ATCC](#)



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

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

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

Quantitated Nucleic Acids – Empowering Molecular-based Assay Development

- Webinar: Precise Counting of Targeted Nucleic Acids has Never Been Easier Webinar
- Purified and Quantitative Genomic Cell Line DNA



Frequently Asked Questions

Q: What applications can ATCC[®] purified, quantitative cell line DNA be used for?

A: Because qDNA are fully characterized by ddPCR[™], they are compatible with several lab-developed and commercially available assays as BSL-1 ready-to-use controls for your assays. They can be used for the generation of a standard curve, as positive controls for molecular-based assay development, as independent standards for validation and verification, for monitoring assay to assay and lot-to-lot variation, and for limit of detection (LoD) studies.

[Have more questions?](#)

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Cell Line Authentication

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Cell Biology Resources

Webinars On-demand

ATCC - 10801 University Boulevard, Manassas, VA 20110

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