Product Name: Human Intestine Organoid

Cat. No.: RONO-2603-CXX-062

Description: Human intestine organoids offer a human-relevant *in vitro* platform for translational research, intestinal toxicity assessment, and disease modeling.

Product Details	
Advantages	Derived from human stem cells, these organoids recapitulate essential features of intestinal tissue organization and cellular diversity.
Species	Human
Product Type	iPS-derived Organoid
Quality Control	Negative for mycoplasma, bacteria, yeast, and fungi.
Tissue	Colon, Small Intestine
Disease	IBD, Inflammatory Bowel Disease, Leaky Gut Syndrome, Infectious enteric disease, Intestinal fibrosis model
Generation Process	Human iPSC-derived intestinal organoids are 3D models generated by differentiating induced pluripotent stem cells into intestinal progenitors, which are then cultured in a physiologically relevant extracellular matrix to form complex structures. These organoids mature to recapitulate key intestinal layers and functions, including nutrient absorption, bacterial adhesion, and drug responsiveness, closely mimicking native tissue.
Organoid Characterization	Intestinal organoids recapitulate the structure and cellular diversity of human intestinal tissue and replicate key functional properties of the small intestine.

Application

They are designed for seamless integration into workflows to support pharmaceutical and biotechnology research teams.

Storage & Handling	
Storage	Liquid Nitrogen
Shipping Information	Dry Ice

For preclinical research and development use only; not intended for therapeutic or other applications.

info@alfacytology.com
1-516-441-0170
https://www.alfacytology.com/3d-cancer-models
500-B Wheeler Rd, Hauppauge, NY 11788, USA