

**Product Name:** Bovine Intestinal Organoid

**Cat. No.:** RONO-2603-CXX-039

**Description:** Bovine intestinal organoids are generated from cattle intestinal stem cells and preserve the complexity of the bovine intestinal epithelium.

### Product Details

<b>Advantages</b>	These organoids are critical for understanding digestive processes in cattle, with a focus on intestinal absorption, nutrient transport, and gut microbiota interactions. They are frequently used to study gastrointestinal diseases and intestinal infections affecting cattle, supporting the development of targeted treatments. Their capacity to model complex digestive functions makes them invaluable for veterinary research and agricultural applications.
<b>Species</b>	Bovine
<b>Growth Properties</b>	Embedded 3D Culture
<b>Growth Conditions</b>	Cultured at 37°C under 95% air and 5% CO <sub>2</sub> .
<b>Quality Control</b>	Negative for mycoplasma, bacteria, yeast, and fungi.
<b>Tissue</b>	Intestinal
<b>Disease</b>	Normal
<b>Format</b>	Frozen

### Application

Intestinal organoids provide physiologically relevant models that overcome the limitations of traditional epithelial-only systems. With applications in nutrient absorption studies and livestock disease modeling, they enable advanced research in intestinal development, inflammation, cancer, drug discovery, barrier function, neuro-immune regulation, and regenerative medicine, offering powerful tools for both basic research and therapeutic innovation.

### Storage & Handling

<b>Storage</b>	Liquid Nitrogen
<b>Shipping Information</b>	Dry Ice

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