

Product Name: Bovine Gallbladder Organoid

Cat. No.: RONO-2603-CXX-033

Description: Bovine gallbladder organoids are 3D models derived from cattle gallbladder epithelial cells that accurately replicate the structure and function of the bovine gallbladder.

Product Details

Advantages	They are valuable for disease modeling, drug testing, and evaluating gallbladder responses to therapies.
Species	Bovine
Product Type	Tissue-derived Organoid
Growth Properties	Embedded 3D Culture
Growth Conditions	Cultured at 37°C under 95% air and 5% CO ₂ .
Quality Control	Negative for mycoplasma, bacteria, yeast, and fungi.
Tissue	Gallbladder
Disease	Normal
Format	Frozen
Organoid Characterization	They recapitulate key features including cholangiocytes, gallbladder epithelium, and mucus production. These organoids provide a physiologically relevant platform for studying gallbladder diseases, biliary tract pathologies, and gallstone formation in cattle.

Application

Tissue-derived organoids are extensively used in drug screening, disease modeling, mechanistic studies, personalized medicine, and regenerative medicine. By faithfully recapitulating disease states, they provide an optimal platform for evaluating patient-specific drug responses and informing personalized treatment strategies. In addition, these organoids drive the development of novel therapeutic approaches, particularly in cancer research and organ regeneration, delivering sophisticated experimental tools that accelerate precision medicine.

Storage & Handling

Storage	Liquid Nitrogen
Shipping Information	Dry Ice

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