

Product Name: Bovine Common Bile Duct Organoid

Cat. No.: RONO-2603-CXX-037

Description: Bovine common bile duct organoids are 3D models derived from cattle biliary epithelial cells that mimic the structure and function of the bovine common bile duct.

Product Details

Advantages	These organoids serve as a valuable platform for disease modeling, drug testing, and investigating biliary tract therapeutic responses.
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	Bile Duct
Disease	Normal
Format	Frozen
Organoid Characterization	They recapitulate the biliary epithelium, cholangiocytes, and biliary microenvironment, making them ideal for studying biliary diseases, bile duct obstruction, and cholangiocarcinoma in cattle.

Application

Tissue-derived organoids are extensively used in drug screening, disease modeling, mechanistic studies, personalized medicine, and regenerative medicine. By faithfully modeling disease states, they provide a robust platform for evaluating patient-specific drug responses and supporting individualized treatment strategies. In addition, these organoids enable the development of novel therapeutic approaches, especially in cancer research and organ regeneration, delivering precise experimental tools that accelerate progress in 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.