

Product Name: Ovine Common Bile Duct Organoid

Cat. No.: RONO-2603-CXX-035

Description: Ovine common bile duct organoids are 3D models derived from sheep biliary epithelial cells that accurately replicate the structure and function of the ovine common bile duct.

Product Details

Advantages	They are ideal for disease modeling, drug testing, and investigating gallbladder and bile duct responses to therapies.
Species	Ovine
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 key features of the biliary tract, including cholangiocytes and biliary epithelium. These organoids provide a relevant platform for studying biliary diseases, gallstone formation, and cholangiocarcinoma in sheep.

Application

Tissue-derived organoids are extensively employed in drug screening, disease modeling, mechanistic studies, personalized medicine, and regenerative medicine. By faithfully recapitulating disease states, they provide an ideal platform for assessing patient-specific drug responses and guiding personalized treatment strategies. Furthermore, these organoids enable the development of innovative 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.