

Product Name: Porcine Common Bile Duct Organoid

Cat. No.: RONO-2603-CXX-036

Description: Porcine common bile duct organoids are 3D models derived from pig biliary epithelial cells that replicate the structure and function of the porcine common bile duct.

Product Details

Advantages	They are useful for disease modeling, drug testing, and investigating therapeutic effects on the biliary tract.
Species	Porcine
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 cholangiocyte formation, epithelial layers, and the biliary microenvironment. These organoids are ideal for studying biliary diseases, cholangiocarcinoma, and bile duct obstruction in swine.

Application

Tissue-derived organoids are broadly utilized in drug screening, disease modeling, mechanistic research, personalized medicine, and regenerative medicine. Through accurate modeling of disease states, they serve as an ideal platform for evaluating patient-specific responses to new therapeutics and informing personalized treatment design. Additionally, these organoids drive the development of novel therapeutic approaches, particularly in oncology and tissue regeneration, offering sophisticated experimental tools that significantly advance 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.