

Product Name: Ovine Gallbladder Organoid

Cat. No.: RONO-2603-CXX-032

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

Product Details

Advantages	They are ideal for disease modeling, drug testing, and investigating gallbladder responses to therapies. Compared to traditional 2D cultures, these organoids offer a more accurate representation of ovine biliary physiology, enhancing veterinary and agricultural research.
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	Gallbladder
Disease	Normal
Format	Frozen
Organoid Characterization	They recapitulate key features of the biliary tract, including cholangiocyte formation and gallbladder epithelium. These organoids provide a physiologically relevant system for studying gallbladder development, biliary tract diseases, and gallbladder cancer.

Application

Tissue-derived organoids are widely employed 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 facilitating personalized treatment planning. Furthermore, these organoids enable the development of innovative therapeutic approaches, especially in oncology and tissue regeneration, offering precise 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.