

Product Name: Human Intrahepatic Cholangiocarcinoma Organoid

Cat. No.: ROTO-2603-CXX-030

Description: Human intrahepatic cholangiocarcinoma (iCCA) organoids are 3D cancer models derived from patient tumor tissues.

Product Details

Advantages	These organoids provide a reliable platform for studying cholangiocarcinoma progression, tumor biology, and drug screening. Compared to traditional 2D cultures, they offer a more clinically relevant setting for investigating iCCA pathophysiology and evaluating therapeutic candidates.
Species	Human
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	Liver
Disease	Cancer
Format	Frozen
Organoid Characterization	They faithfully replicate the structural and molecular characteristics of the original tumor, including cholangiocyte differentiation and interactions with the tumor microenvironment. Each batch undergoes rigorous testing for mycoplasma, bacteria, and fungi/yeast, and is validated for identity, genetic stability, and functional performance.

Application

Tissue-derived organoids are extensively utilized in drug screening, disease modeling, mechanistic research, personalized medicine, and regenerative medicine. By recapitulating authentic disease states, they provide a robust platform for evaluating patient-specific drug responses and supporting individualized treatment design. Moreover, these organoids enable the development of innovative therapeutic strategies, especially in cancer research and organ regeneration, delivering precise experimental systems 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.