

# RCOL003-3 Colorectal cancer organoid

**Catalogue number:** 160901

**Tool type:**

## Contributor

**Inventor:** Medical-Industrial Translational Research Center

**Institute:** Fukushima Medical University

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** RCOL003-3 Colorectal cancer organoid

**Alternate name:** RCOL003-3, RCOL3-3, RCOL3, RCOL003

**Class:**

**Conjugate:**

**Description:** A series of novel patient-derived organoids (PDOs) have been constructed from different tumor tissue types under the Fukushima Translational Research Project, designated as F-PDO. F-PDOs form large cell clusters with a morphology similar to the original tumor and can be cultured for more than six months. Our comparative histological and comprehensive gene expression analyses have shown that the characteristics of F-PDOs were similar to their source tumors, even after long-term growth in culture conditions

**Purpose:**

**Parental cell:**

**Organism:** Human

**Tissue:** Colorectal

**Model:**

**Gender:** Female

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:** Suspension

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**  
**Selectable markers:**  
**Additional notes:**

## Patient details

**Cancer subtype:**  
**Cancer stage/grade:**  
**Biopsy site:**  
**Patient ethnicity:**  
**Treatment history:**

## Engraftment details

**Mice passaged?:**  
**Engraftment site:**  
**Sample type:**  
**Host strain:**  
**Histology:**  
**Genetic data:**

## Target details

**Target:**  
**Target alternate names:**  
**Target background:**  
**Molecular weight:**  
**Ic50:**

## Applications

**Application:** 3D cell culture, High-throughput screening, Xenograft model  
**Application notes:**

## Handling

**Format:** Frozen  
**Concentration:**  
**Passage number:** 5  
**Growth medium:** Cancer Cell Expansion Media plus (Fujifilm Wako Pure Chemical, Ltd.).  
**Temperature:** 37° C  
**Atmosphere:** 5% CO2  
**Volume:**

1 ml

**Storage medium:** CELLBANKER 2

**Storage buffer:**

**Storage conditions:** Liquid Nitrogen

**Shipping conditions:** Dry ice

## Related tools

**Related tools:**

## References

**References:**

CancerTools.org