

# RLUN001-2 Lung cancer organoid

**Catalogue number:** 160933

**Sub-type:** Organoids

**Images:**

## Contributor

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

**Institute:** Fukushima Medical University

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** RLUN001-2 Lung cancer organoid

**Alternate name:** RLUN001-2, RLUN1-2, RLUN1, RLUN001

**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:** Lung

**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:**

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:** 3D cell culture

**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