

The following are representative references picked out.

■ Trophoblast organoids/ CELLBANKER 2

Trophoblast Organoids as a Novel Tool to Study Human Placental Development and Function.

Haider S, Knöfler M, Latos PA.

Methods Mol Biol., (2024) 2728:195-222.

https://link.springer.com/protocol/10.1007/978-1-0716-3495-0_17

■ Mammary epithelial organoids/ CELLBANKER 2

Fibroblast-Epithelium Co-culture Methods Using Epithelial Organoids and Cell Line-Derived Spheroids.

Sumbal J, Sumbalova Koledova Z.

Methods Mol Biol., (2024) 2764:107-129.

https://link.springer.com/protocol/10.1007/978-1-0716-3674-9_8

■ Trophoblast organoids/ CELLBANKER 2

Generation of Trophoblast Organoids from Chorionic Villus Sampling.

Rijn BV, Opstal DV, Koetsveld NV, Knapen M, Gribnau J, Schäffers O.

Organoids, (2024) 3(1), 54-66

<https://www.mdpi.com/2674-1172/3/1/5>

■ Porcine islet organoids/ CELLBANKER 1

The porcine islet-derived organoid showed the characteristics as pancreatic duct.

Sakata N, Yoshimatsu G, Kawakami R, Nakano K, Yamada T, Yamamura A, Nagashima H, Kodama S.

Sci Rep., (2024) Mar 16;14(1):6401.

<https://www.nature.com/articles/s41598-024-57059-1>

■ Patient (ovarian cancer tissues)-derived organoids/ CELLBANKER 2

PARP1-DOT1L transcription axis drives acquired resistance to PARP inhibitor in ovarian cancer.

Liu C, Li J, Xu F, Chen L, Ni M, Wu J, Zhao H, Wu Y, Li J, Wu X, Chen X.

Mol. Cancer, (2024) May 22;23(1):111.

<https://molecular-cancer.biomedcentral.com/articles/10.1186/s12943-024-02025-8>

■ Murine lung tumors organoids/ STEM-CELLBANKER DMSO Free

Using 3-Dimensional Cultures to Propagate Genetically Modified Lung Organoids

Chen F, Naughton KJ, Lee JH, Brainson CF.

Department of Toxicology and Cancer Biology, University of Kentucky, Lexington, KY, USA.

Methods Mol Biol., (2024):2805:19-30.

https://link.springer.com/protocol/10.1007/978-1-0716-3854-5_2

The following are representative references picked out.

■ Mouse and human lacrimal gland organoids/ CELLBANKER 1

Establishment, Maintenance, Differentiation, Genetic Manipulation, and Transplantation of Mouse and Human Lacrimal Gland Organoids.

Bannier-Hélaouët M, Geurts MH, Korving J, Begthel H, Clevers H.

J Vis Exp., (2023) Feb 3;(192).

<https://app.jove.com/t/65040/establishment-maintenance-differentiation-genetic-manipulation>

■ Patient-derived head and neck cancer organoids/ CELLBANKER 1

Patient-derived head and neck cancer organoids allow treatment stratification and serve as a tool for biomarker validation and identification.

Millen R, De Kort WWB, Koomen M, van Son GJF, Gobits R, Penning de Vries B, Begthel H, Zandvliet M, Doornaert P, Raaijmakers CPJ, Geurts MH, Elias SG, van Es RJJ, de Bree R, Devriese LA, Willems SM, Kranenburg O, Driehuis E, Clevers H.

Med, (2023) May 12;4(5):290-310.e12.

[https://www.cell.com/med/fulltext/S2666-6340\(23\)00135-6](https://www.cell.com/med/fulltext/S2666-6340(23)00135-6)

■ Patient-derived ovarian high-grade serous carcinoma tumor organoids/ STEM-CELLBANKER

Evolutionary states and trajectories characterized by distinct pathways stratify patients with ovarian high grade serous carcinoma.

Lahtinen A, Lavikka K, Virtanen A, Li Y, Jamalzadeh S, Skorda A, Lauridsen AR, Zhang K, Marchi G, Isoviita VM, Ariotta V, Lehtonen O, Muranen TA, Huhtinen K, Carpén O, Hietanen S, Senkowski W, Kallunki T, Häkkinen A, Hynninen J, Oikkonen J, Hautaniemi S.

Cancer Cell, (2023) May 11;S1535-6108(23)00143-5.

[https://www.cell.com/cancer-cell/fulltext/S1535-6108\(23\)00143-5](https://www.cell.com/cancer-cell/fulltext/S1535-6108(23)00143-5)

■ Tumor tissues-derived organoids/ STEM-CELLBANKER

Genetic characterization of a novel organoid from human malignant giant-cell tumor.

Suzuki R, Wakamatsu T, Yoshida K, Matsuoka Y, Takami H, Nakai S, Tamiya H, Kakunaga S, Yagi T, Yoshida K, Imura Y, Yui Y, Sasagawa S, Takenaka S.

Journal of Bone Oncology, (2023) Volume 41, August, 100486.

<https://www.sciencedirect.com/science/article/pii/S2212137423000192>

■ Bronchial organoids/ STEM-CELLBANKER

Cell response analysis in SARS-CoV-2 infected bronchial organoids.

Sano E, Suzuki T, Hashimoto R, Itoh Y, Sakamoto A, Sakai Y, Saito A, Okuzaki D, Motooka D, Muramoto Y, Noda T, Takasaki T, Sakuragi J, Minami S, Kobayashi T, Yamamoto T, Matsumura Y, Nagao M, Okamoto T, Takayama K.

COMMUNICATIONS BIOLOGY, (2022) 5:516

<https://www.nature.com/articles/s42003-022-03499-2>