



## 【ステムフル® 論文リスト】

2024年4月1日

住友ベークライト株式会社

S-バイオ事業部

1. TAKAHASHI, Junichi, et al. Protocol to generate large human intestinal organoids using a rotating bioreactor. *STAR protocols*, 2023, 4.3: 102374.  
URL: <https://www.sciencedirect.com/science/article/pii/S2666166723003416>
2. ZHAO, Dan, et al. From crypts to enteroids: establishment and characterization of avian intestinal organoids. *Poultry Science*, 2022, 101.3: 101642.  
URL: <https://www.sciencedirect.com/science/article/pii/S0032579121006635>
3. IWAYAMA, Tomoaki, et al. Plap-1 lineage tracing and single-cell transcriptomics reveal cellular dynamics in the periodontal ligament. *Development*, 2022, 149.19: dev201203.  
URL: <https://journals.biologists.com/dev/article/149/19/dev201203/277273/Plap-1-lineage-tracing-and-single-cell>
4. OKUBO, Toru, et al. Fabrication of three-dimensional lacrimal gland-like tissue organoids from human pluripotent stem cells. 2022.  
URL: <https://protocolexchange.researchsquare.com/article/pex-1821/v1>
5. TAKAHASHI, Junichi, et al. Suspension culture in a rotating bioreactor for efficient generation of human intestinal organoids. *Cell Reports Methods*, 2022, 2.11.  
URL: [https://www.cell.com/cell-reports-methods/pdf/S2667-2375\(22\)00234-X.pdf](https://www.cell.com/cell-reports-methods/pdf/S2667-2375(22)00234-X.pdf)
6. 加藤伸史. 炎症性腸疾患におけるシスチントランスポーター xCT の役割. 2022. PhD Thesis. Tohoku University.  
URL: <https://tohoku.repo.nii.ac.jp/record/139352/files/220325-Kato-4252-1.pdf>
7. FUJITA, Yasutaka, et al. A pair of cell preservation solutions for therapy with human adipose tissue-derived mesenchymal stromal cells. *Regenerative Therapy*, 2020, 14: 95-102.  
URL: <https://www.sciencedirect.com/science/article/pii/S2352320419301294>  
Cell Type: human adipose tissue-derived mesenchymal stromal cells (ヒト脂肪組織由来の間葉系細胞)

How to use:細胞を遠心して再懸濁。細胞懸濁液を置換するために使用。

Keywords: Cell preservation solution, Dextran40, Human adipose-derived mesenchymal stromal cells, Trehalose

8. TAKAHASHI, Yoshiaki, et al. Therapeutic potential of spheroids of stem cells from human exfoliated deciduous teeth for chronic liver fibrosis and hemophilia A. *Pediatric surgery international*, 2019, 35.12: 1379–1388.  
URL: <https://link.springer.com/article/10.1007/s00383-019-04564-4#auth-1>  
Keywords: SHED, Spheroids, Transplantation, Chronic liver fibrosis, Hemophilia A
9. FUJII, Masayuki, et al. Efficient genetic engineering of human intestinal organoids using electroporation. *Nature protocols*, 2015, 10.10: 1474.  
URL: <https://www.nature.com/articles/nprot.2015.088>  
Keywords: Cell culture, Gastrointestinal models, Genetic vectors, Intestinal stem cells
10. FUJIMOTO, Mai, et al. Establishment of a novel model of chondrogenesis using murine embryonic stem cells carrying fibrodysplasia ossificans progressiva-associated mutant ALK2. *Biochemical and biophysical research communications*, 2014, 455.3–4: 347–352.  
URL: <https://www.sciencedirect.com/science/article/abs/pii/S0006291X14020154>  
Keywords: Fibrodysplasia ossificans progressiva, BMP receptor, Embryonic stem cells, Chondrocytes
11. KAWASAKI, Hideyoshi, et al. Characterization of anoikis-resistant cells in mouse colonic epithelium. *Journal of Veterinary Medical Science*, 2013, 13–0005.  
URL: [https://www.jstage.jst.go.jp/article/jvms/advpub/0/advpub\\_13-0005/\\_article/-char/ja/](https://www.jstage.jst.go.jp/article/jvms/advpub/0/advpub_13-0005/_article/-char/ja/)  
Cell Type: mouse proximal colon(マウス近位結腸)  
How to use:組織から細胞を単離後、低吸着シャーレで培養。死細胞を除去するために使用。  
Keywords: Anoikis, CD133, DCLK-1, Epithelial cells, Intestine
12. MIYASHITA, Hideyuki, et al. Long-Term Maintenance of Limbal Epithelial Progenitor Cells Using Rho Kinase Inhibitor and Keratinocyte Growth Factor. *Stem cells translational medicine*, 2013, 2.10: 758–765.  
URL: <https://stemcellsjournals.onlinelibrary.wiley.com/doi/full/10.5966/sctm.2012-0156>  
Cell Type: Human Limbal epithelium(ヒト角膜縁上皮)

How to use:細胞を単離処理するために使用。

Keywords: Adult stem cells, Cell culture, Colony formation Differentiation, Experimental models Long-term repopulation, Stem cell culture