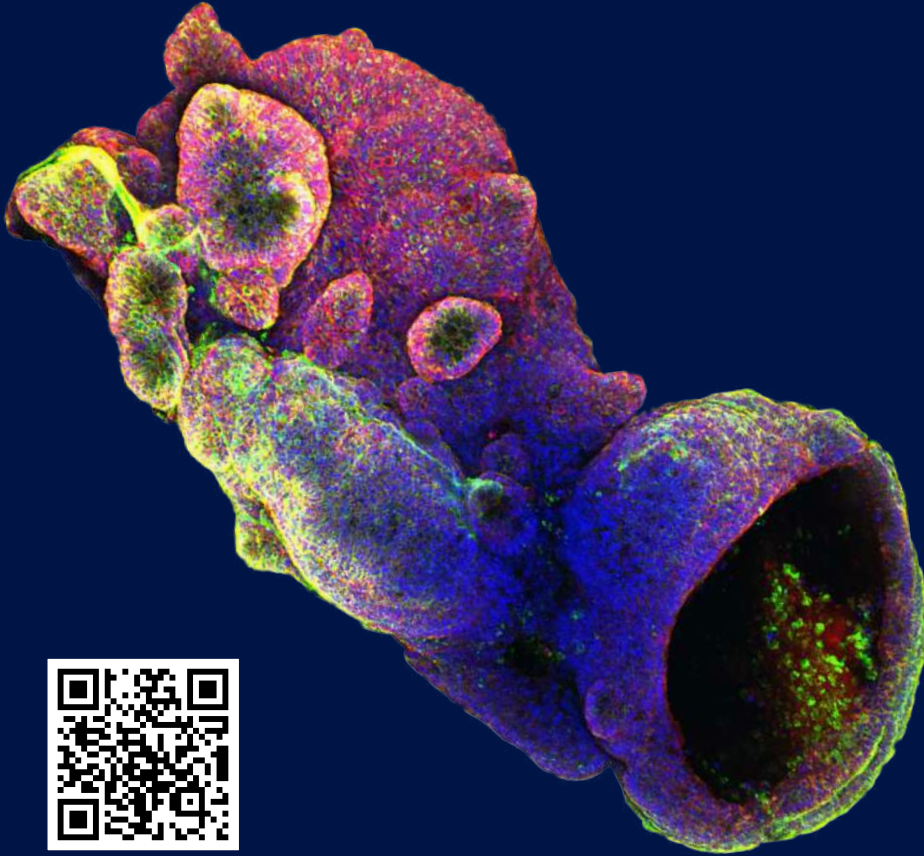


# Organoid culture 는 이제

**R&D SYSTEMS™**  
a biotechne brand

## BME 와 함께!



for better

- **iPSC**
- **2D, 3D**
- **Organoid**

Lot-to-Lot consistency

### SALE

# 1+1

\*신규고객에 한함

Cat#	Name	설명
3432-005-01	Cultrex BME, Pathclear	일반적인 cell culture, attachment, proliferation, invasion용
3433-005-R1	Cultrex BME, Type 1, Pathclear	Entactin 함량이 높음. Progenitor cell을 이용한 organoid에서 좋은 효과 보임 복잡한 organoid 제작 시 용이
3533-005-02	Cultrex BME, Type 2, Pathclear	일반적인 organoid culture용
3632-005-02	Cultrex BME, Type 3, Pathclear	Xenograft, tumograft 모델용 <i>in vivo</i> transplantation
BME001-05	Cultrex UltiMatrix RGF BME, Pathclear	Organoid, spheroid, stem cell culture 모두 사용 가능 Dome formation qualified

\*기준에 사용하시던 제품과 호환 가능한 제품 찾으신다면 학술팀으로 연락 주세요!

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## Growth Factors

Product	Cat#	GMP Cat#
ActivinA	338-AC	338-GMP
BMP-2	355-BM	355-GMP
BMP-4	314-BP	314E-GMP*
BMP-7	354-BP	
EGF	236-EG	236-GMP*
FGF-basic	233-FB	3718-GMP*
FGF-2	3718-FB	3718-GMP*
FGF-4	7460-F4	
FGF-7	251-KG	251-GMP
FGF-9	273-F9	
FGF-10	345-FG	
FGF-19	969-FG	
HGF	294-HG	
Noggin	6057-NG	6057-GMP
OncostatinM	8475-OM	
R-Spondin1	4645-RS	
R-Spondin3	3500-RS	
Wnt-10b	2110-WN	
Wnt-3a	5036-WN	5036-GMP

## Small Molecules

Product	Cat#	GMP Cat#
A 83-01	2939	
CHIR 99021	4423	TB4423-GMP
DAPT	2634	
Forskolin	1099	
Galunisertib	6956	
Gastrin	3006	
HEPES	3173	
IWP 2	3533	
IWP 4	5214	
LDN 193189 dihydrochloride	6053	TB6053-GMP
N-Acetylcysteine	5619	
Nicotinamide	4106	
SB 202190	1264	
PD 0325901	4192	
Prostaglandin E2	2296	
Retinoic Acid	0695	
SB 431542	1614	TB1614-GMP
Testosterone	2822	
Y-27623 dihydrochloride	1254	TB1254-GMP

\* Animal-free GMP protein

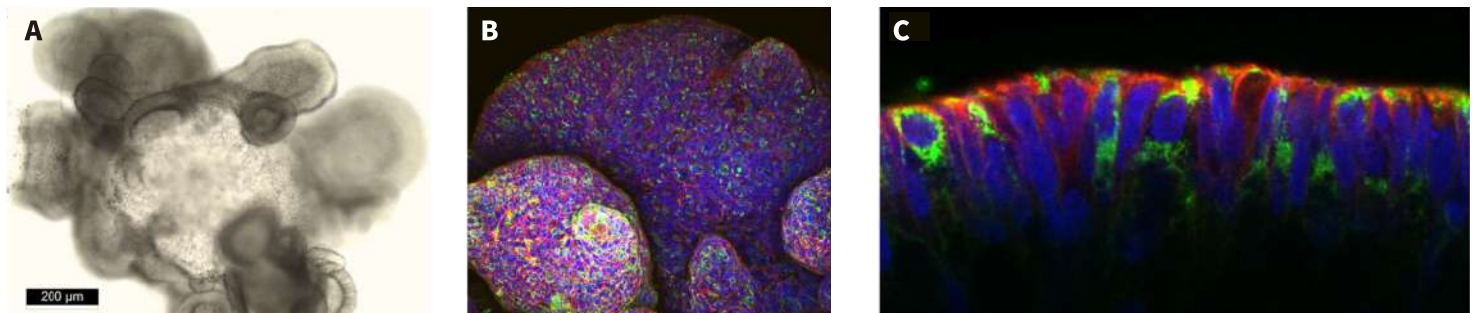


Fig.1 Human Descending Colon Organoids Grown in Cultrex UltiMatrix RGF BME.

Adult stem cells isolated from human descending colon were embedded in Cultrex UltiMatrix RGF BME (R&D Systems, Catalog # BME001) and cultured in growth medium for 30 days prior to imaging. A) Brightfield image of descending colon organoid showing tissue invagination and epithelial layer formation. B, C) Descending colon organoids were stained with Chromogranin A (green; R&D Systems, Catalog # MAB90981), to visualize intestinal enteroendocrine cells, and counterstained for E-Cadherin (red; R&D Systems, Catalog # AF748) and DAPI (blue; R&D Systems, Catalog # 5748).

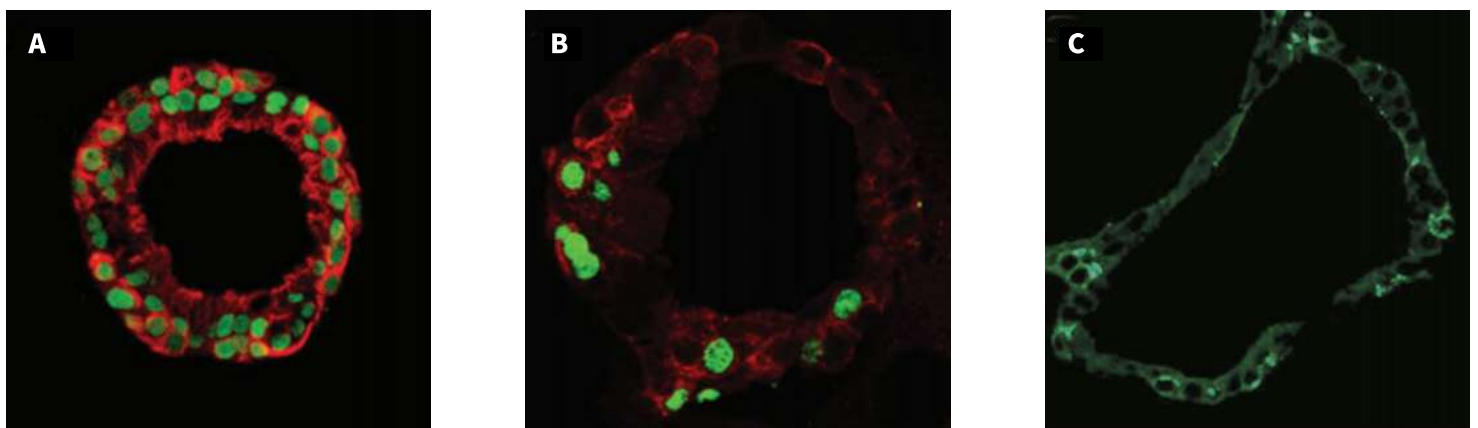


Fig2. Characterization of Human Lung Organoids. Representative images of human lung organoids for tissue-specific cell types. Sox2 (green; R&D Systems, Catalog # AF2018) and Acetylated Tubulin (red; Novus Biologicals, Catalog # NB600-567). p63/TP73L (green; R&D Systems, Catalog # AF1916) and Cytokeratin 10 (red; Novus Biologicals, Catalog # NBP2-61736). Podoplanin (green; R&D Systems, Catalog # AF3670) as a marker of type 1 alveolar cells.