

Materials List for:

Breast Milk Enhances Growth of Enteroids: An *Ex Vivo* Model of Cell Proliferation

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URL: <https://www.jove.com/video/56921>

DOI: [doi:10.3791/56921](https://doi.org/10.3791/56921)

Materials

Name	Company	Catalog Number	Comments
Dulbecco's Modified Eagle's Medium (DMEM) with 4.5 g/L Glucose and L-Glutamine	Lonza	12-604F	
Fetal Bovine Serum (FBS)	Gibco	26140-079	
Penicillin-Streptomycin	Gibco	15140-122	
Humulin N (Insulin)	Eli Lilly And Company	0002-8315	
1x Dulbecco's Phosphate-Buffered Saline (DPBS)	Sigma-Aldrich	D8537	
Gentamicin	Gibco	15750-060	
Amphotericin B	Gibco	15290-026	
0.5 M Ethylenediaminetetraacetic acid (EDTA), pH 8.0	Invitrogen	15575-020	
1x Advanced DMEM/F-12	Invitrogen	12634-028	
200 mM L-Glutamine	Gibco	25030-081	
1 M N-2-Hydroxyethylpiperazine-N-2-Ethane Sulfonic Acid (HEPES)	Sigma-Aldrich	H3537	
N-Acetylcysteine	Sigma-Aldrich	A9165	
100x N-2 Supplement	Gibco	17502-048	
50x B-27 Supplement Minus Vitamin A	Gibco	08-0085SA	
100x ROCK Inhibitor Y-27632, Dihydrochloride	Sigma-Aldrich	Y0503	
Recombinant Mouse Wnt3a Protein	R&D Systems	1324-WN	
Murine Noggin	PeproTech	250-38	
Recombinant Mouse R-Spondin 1	R&D Systems	3474-RS	
Recombinant Murine Epidermal Growth Factor (EGF)	PeproTech	315-09	
Matrigel Growth Factor Reduced Basement Membrane Matrix	Corning	356231	
35 x 10 mm Cell Culture Petri Dish	Eppendorf	0030700112	
24-Well Cell Culture Plate	Eppendorf	0030722116	
48-Well Cell Culture Plate	Eppendorf	0030723112	
8-Well Nunc Lab-Tek II Chamber Slide System	Thermo Scientific	154534	

50 mL Conical Tube	Corning	352070	
100 µM Sterile Cell Strainer	Fisher Scientific	22-363-549	
70 µM Sterile Cell Strainer	Fisher Scientific	22-363-548	
1x Phosphate-Buffered Saline (PBS), pH 7.2	Invitrogen	20012-027	
16% Paraformaldehyde (PFA)	Electron Microscopy Sciences	15710	
Triton X-100	Sigma-Aldrich	T8787	
Tween 20	Sigma-Aldrich	P1379	
Normal Donkey Serum (NDS)	Sigma-Aldrich	D9663	
4',6-Diamidino-2-Phenylindole, Dihydrochloride (DAPI)	Invitrogen	D1306	
Microscope Cover Glass	Fisher Scientific	12-544-D	
Confocal Microscope Leica TCS SP8 X	Leica Microsystems	N/A	
Photoshop CS6	Adobe Systems	N/A	
18 G 1.5 Inch Needle	Becton Dickinson	305196	
Isoflurane	Sigma-Aldrich	792632	
Oxytocin	Sigma-Aldrich	O3251	
Human Double Electric Breast Pump	Lansinoh	044677530163	
5 mL Round Bottom Test Tube	Corning	352058	
Rubber Stoppers	Frey Scientific	560761	
Ki67 Antibody	Abcam	AB15580	
Human Mki67 primer F: 5'-GACCTCAAACCTGGCTCCTAATC-3' R: 5'-GCTGCCAGATAGAGTCAGAAAG-3'	Integrated DNA Technologies	N/A	