

Materials List for:

# Generation of Multicellular Human Primary Endometrial Organoids

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URL: <https://www.jove.com/video/60384>

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## Materials

Name	Company	Catalog Number	Comments
Agarose HS, molecular biology grade	Denville Scientific	CA3510-6	
Agarose molds	Sigma-Aldrich	Z764043	( <a href="https://www.microtissues.com/">https://www.microtissues.com/</a> )
Ammonium chloride (NH <sub>4</sub> Cl)	Amresco	0621	
β-Estradiol	Sigma-Aldrich	E2257	
Collagenase, Type II, powder	Thermo Fisher Scientific	17101015	
Dispase	Corning	354235	
DNase I	Sigma-Aldrich	D4513	
EDTA	Fisher Scientific	BP120-1	
Eosin Stain	VWR	95057-848	
Estrogen Receptor (SP1), rabbit monoclonal antibody	Thermo Fisher Scientific	RM-9101-S	
Fluoroshield with DAPI, histology mounting medium	Sigma-Aldrich	F6057	
Hank's Balanced Salt Solution (HBSS)	Corning	21-022-CV	1x without calcium, magnesium, and phenol red
Hematoxylin Stain Solution	Thermo Fisher Scientific	3530-32	Modified Harris formulation, mercury free
Heparin solution	STEMCELL Technologies	07980	added to MammoCult media
Hydrocortisone stock solution	STEMCELL Technologies	07925	added to MammoCult media
Organoid media - MammoCult	STEMCELL Technologies	05620	supplemented with 2 μL/mL heparin and 5 μL/mL hydrocortisone
Paraformaldehyde, 16% solution	Electron Microscopy Sciences	15710	
Penicillin-Streptomycin	Thermo Fisher Scientific	15140122	
Phosphate buffered saline, pH 7.4	Sigma-Aldrich	P3813	
Progesterone Receptor, PgR 1294, unconjugated, culture supernatant	Agilent Technologies	M356801-2	
protein matrix - Matrigel	BD Biosciences	356231	
Purified mouse anti-E-cadherin antibody	BD Biosciences	610181	Clone 36
Recombinant anti-vimentin antibody [EPR3776]	Abcam	ab92547	
RNA lysis and isolation kit	Zymo Research	R2060	
Sodium bicarbonate (NaHCO <sub>3</sub> )	Sigma-Aldrich	S6014	
Testosterone	Sigma-Aldrich	86500	
Trichrome Stain	Abcam	ab150686	

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Wax film - Parafilm	VWR	52858-000	
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