

Materials List for:

Isolation of Human Endometrial Stromal Cells for *In Vitro* Decidualization

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Materials

Name	Company	Catalog Number	Comments
Opti-MEM I (1X) Reduced Serum Medium	Gibco	31985-070	For decidualization media
DMEM / F12 (1:1) (1X)	Gibco	11330-032	
Trypan Blue Stain (0.4%)	Gibco	15250-061	For cell count
PureLink RNA Mini Kit	Invitrogen	12183018A	For RNA Isolation/Purification
TaqMan 2X Universal PCR Master Mix	Applied Biosystems	4304437	
High Capacity cDNA Reverse Transcription Kit	Applied Biosystems	4374967	
Eukaryotic 18S rRNA Endogenous Control	Life Technologies	4319413E	For qPCR internal control
TaqMan Gene Expression Assay Prolactin Probe	Applied Biosystems	4331182	For qPCR internal control
TaqMan Gene Expression Assay IGFBP1 Probe	Applied Biosystems	4331182	For qPCR internal control
Phalloidin-iFluor 488 Reagent - CytoPainter	Abcam	ab176753	
Human Prolactin ELISA Kit	Invitrogen	EHIAPRL	
16% Paraformaldehyde	Alfa Aesar	30525-89-4	Fixative
Lipofectamine RNAiMAX	Invitrogen	13778150	Transfection Reagent
ProLong Gold antifade reagent with DAPI	Invitrogen	P36935	For mounting
0.25% Trypsin-EDTA (1X)	Gibco	25200-056	
Penicillin Streptomycin	Gibco	15140-122	
Charcoal Stripped Fetal Bovine Serum	Sigma	F6765-500ML	
Sodium Bicarbonate (7.5%)	Gibco	25080-094	
Ficoll-Paque PLUS Reagent	Fisher Scientific	45001749	
Collagenase from Clostridium histolyticum	Sigma	C0130-1G	
Deoxyribonuclease I from bovine pancreas	Sigma	DN25-100MG	
Medroxyprogesterone 17-acetate	Sigma	M1629-1G	For EPC Media
Estradiol	Sigma	E1024-1G	For EPC Media
cAMP	Sigma	A6885-100MG	For EPC Media
Fine straight stitch scissors	Fine Science Tools	15396-00	
TaqMan Gene Expression Assay NCOA2 Probe	Applied Biosystems	4351372	

Fetal Bovine Serum, heat inactivated	Gibco	10-082-147	
Antibiotic-antimycotic	Thermo Scientific	15240062	
Hank's Balanced Salt Solution	Corning	21-021-cv	
50 mL conical polypropylene Falcon tube	Corning	352098	
Dumont #5/45 Forceps	Fine Science Tools	11251-35	
100 x 15 mm Glass Petri dish	VWR	75845-546	
40 micron cell strainer	Midsci	229481	
Isotemp 215 Water bath	Fisher Scientific	FS-215	
LSE Centrifuge	Corning	6755	
Human NCOA2 siRNA	Dharmacon	L-020159-00	Gene specific qPCR probe
Steri-cycle i160 CO2 Incubator	Thermo Scientific	51030301	
NanoDrop 2000	Thermo Scientific	ND-2000	For RNA quantification
Phosphate Buffered Saline	Fisher Scientific	50146771	
75 cm Canted Neck Cell Culture flask	Corning	430641U	
6 well Non-Pyrogenic Cell Culture Plate	Corning	3506	
Pipet Controller Ultra	Corning	4099	
Photoshop	Adobe	19.0.1.334	
25 cm Canted Neck Cell Culture flask	Corning	7200876	
Triton X-100	Sigma	X100-1L	
15 mL conical polypropylene Falcon tube	Corning	352099	
10 mL Syringe	BD	302995	
1300 Series A2 Biological Safety Hood	Thermo Scientific	1377	
accuspin Micro17 centrifuge	Fisher Scientific	13100675	
7500 Fast real time PCR system	Applied Biosystems	3052632	
EVOS FL Immunofluorescence Microscope	Life Technologies	01414-155G-291	
Leica Inverted Light Microscope	Leica	DMI1	
Illustrator	Adobe	22.0.1.253	
Excel Spreadsheets	Microsoft	2016	
Deckglaser 18 mm cover glasses	NeuVitro	GG-18	
Reichert Bright-Line Hemacytometer	Sigma	Z359629-1EA	
2-mercaptoethanol	Fisher Bioreagents	BP176-100	For RNA lysis buffer
1.2mL External Threaded Polypropylene Cryogenic Vial	Corning	430658	For freezing HESC cells
Dimethyl Sulfoxide (DMSO)	Sigma	D2650-100mL	For freezing media