

Materials List for:

Isolation of Dendritic Cells from the Human Female Reproductive Tract for Phenotypical and Functional Studies

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Materials

Name	Company	Catalog Number	Comments
Hank's Balanced Salt Solution (HBSS)	Hyclone	SH30015.03	
Penicillin-streptomycin	Hyclone	SV30010	
HEPES (1M)	Hyclone	15630-080	
Collagenase IV	Sigma	C5138	
Deoxyribonuclease I	Worthington Biochemical	LS002140	
D-glucose	Sigma Aldrich	50-99-7	
0.22 um Stericup 500 mL filter	Millipore	SCGPU05RE	
100mm x 15mm polystyrene petri dish	Fisherbrand	FB0875712	
150mm x 15mm polystyrene petri dish	Fisherbrand	FB0875714	
150mm x 25mm polystyrene dish	Corning	430599	Treated cell culture dish
Isotemp Incubator	Fisher Scientific	FICO3500TABB	5.0% CO ₂
American Rotator V	American DADE	R4140	
250 um nylon mesh	Sefar	03-250/50	
20 um nylon mesh	Sefar	03-20/14	
Beckman GS-6R Centrifuge	Beckman	358702	
X-VIVO 15 with Gentamicin L-Gln, Phenol Red, 1 L	Lonza	04-418Q	
Human AB Serum	Valley Biomedical	HP1022	
Histopaque-1077	Sigma Aldrich	10771	
Phosphate Buffer Solution (PBS)	National Diagnostics	CL-253	pH 7.4
Dead Cell Removal Kit	Miltenyi Biotec	130-090-101	
Pre-separation filter (30um)	Miltenyi Biotec	130-041-407	
LS column	Miltenyi Biotec	130-042-410	
Quadro MACS Separator	Miltenyi Biotec	130-090-976	
MACS multi-stand	Miltenyi Biotec	130-042-303	
EDTA	USB	15694	
CD1a Microbeads, human	Miltenyi Biotec	130-051-001	
CD14 Microbeads, human	Miltenyi Biotec	130-050-201	
eFluor 670 cell proliferation dye	eBiosciences	65-0840-85	
96 well round bottom plate	Falcon	9/8/2866	
Zombie yellow viability dye	Biolegend	423104	
CD3 APC/Cy7, anti-human	Tonbo Biosciences	25-0038-T100	

CD4 PE, anti-human	eBiosciences	12-0048-42	
CD8a FITC, anti-human	Tonbo Biosciences	35-0086-T100	
Gallios Flow Cytometer	Beckman Coulter Life Sciences	B43618	10 color, VBR
MACSquant Analyzer 10	Miltenyi Biotec	130-096-343	8 color, VBR