Materials List for:

Generation of Organ-conditioned Media and Applications for Studying Organspecific Influences on Breast Cancer Metastatic Behavior

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Materials

Name	Company	Catalog Number	Comments
50 ml conical tubes	Thermo Scientific (Nunc)	339652	Keep sterile
1x Phosphate-buffered saline	ThermoFisher Scientific	10010-023	Keep sterile
Nude mice	Harlan Laboratories	Hsd:Athymic Nude-Foxn1nu	Use at 6 - 12 weeks of age
Polystyrene foam pad	N/A	N/A	The discarded lid (~ 4 x 8 inches or larger) of a polystyrene foam shipping container can be used for this purpose. Sterilize by wiping with ethanol.
Forceps	Fine Science Tools	11050-10	Keep sterile
Scissors	Fine Science Tools	14058-11	Keep sterile
Gauze pads	Fisher Scientific	22-246069	Keep sterile
60 mm ² glass petri dishes	Sigma-Aldrich	CLS7016560	Keep sterile
Scalpel blades	Fisher Scientific	S95937A	Keep sterile
DMEM:F12	Life Technologies	21331-020	Warm in 37 °C water bath before use, keep sterile
1x Mito + Serum Extender	BD Biosciences	355006	Referred to as "concentrated mitogen supplement" in the manuscript. Keep sterile
Penicillin-Streptomycin (10,000 U/ml)	Life Technologies	15140-122	Keep sterile
Rosewell Park Memorial Institute 1640 (RPMI 1640)	Life Technologies	11875-093	Warm in 37 °C water bath before use, keep sterile
Fetal Bovine Serum	Sigma-Aldrich	F1051-500ML	Keep sterile
Trypsin/EDTA solution	ThermoFisher Scientific	R-001-100	Warm in 37 °C water bath before use, keep sterile
6-well tissue culture plates	Thermo Scientific (Nunc)	140675	Keep sterile
0.22 µm syringe filters	Sigma-Aldrich	Z359904	Keep sterile
T75 tissue culture flasks	Thermo Scientific (Nunc)	178905	Keep sterile
Transwells	Sigma-Aldrich	CLS3464	Keep sterile, use for migration assays
Anti-mouse Sca-1	R&D Systems	FAB1226P	use at 10 µl/10 ⁶ cells
Anti-mouse CD105	R&D Systems	FAB1320P	use at 10 µl/10 ⁶ cells
Anti-mouse CD29	R&D Systems	FAB2405P-025	use at 10 µl/10 ⁶ cells

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Anti-mouse CD73	R&D Systems	FAB4488P	use at 10 µl/10 ⁶ cells
Anti-mouse CD44	R&D Systems	MAB6127-SP	use at 0.25 µg/10 ⁶ cells
Anti-mouse CD45	eBioscience	11-0451-81	use at 5 µl/10 ⁶ cells
Anti-mouse gp38	eBioscience	12-5381-80	use at 10 µl/10 ⁶ cells
β-mercaptoethanol	Sigma-Aldrich	M6250	Keep sterile
Protein arrays	RayBiotech Inc.	AAM-BLM-1-2	Use 1 array per media condition (including negative control), in triplicate