

Materials List for:

Application of Aorta-gonad-mesonephros Explant Culture System in Developmental Hematopoiesis

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Materials

Name	Company	Catalog Number	Comments
durapore 0.65 µm filters	Millipore	R5BA63787	AGM explant culture
M5300 long-term culture medium	Stem Cell Technologies	5300	AGM explant culture
Trizol	Tiagen	5829	RNA extraction
M-MLV reverse transcriptase	Promega	90694	reverse transcription
SYBR Green	Qiagen	A6002	quantitative real-time PCR
protease inhibitor	Roche	55622	Protein extraction
collagenase	Sigma	C2674	digestion of AGM tissues
MethoCult GF M3434 medium	Stem Cell Technologies	3434	CFU-C assay
ultra-low attachment 24-well plates	Costar	3473	CFU-C assay
C57BL/6 CD45.2 mice	Beijing HFK Bioscience Co. Ltd		CFU-S assay
C57BL/6 CD45.1 mice	Beijing HFK Bioscience Co. Ltd		Long-term transplantation
phosphate buffered saline	Life Technologines	8115284	AGM Collection
Penicillin-Streptomycin solution	HyClone	SV30010	AGM explant culture
anti-CD45.2-PE-CY7	eBioscience	25-0454-80	Long-term transplantation
anti-CD45-FITC	eBioscience	11-0451-81	Long-term transplantation
UV lamp	Beijing jiangmornig yuan bio-technology co., LTD	039-14402	power: 30W
stainless steel mesh	AS ONE SHANGHAI Corporation	2-9817-10	aperture diameter: 2.5 mm
hydrocortisone	Sigma	H0396	selectively diluted into M5300 medium