

Materials List for:

# A Standardized Approach for Multispecies Purification of Mammalian Male Germ Cells by Mechanical Tissue Dissociation and Flow Cytometry

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## Materials

Name	Company	Catalog Number	Comments
4% paraformaldehyde	VWR	#15710	4% PFA, For fixing sorted cells
Medimachine	BD Biosciences	#340588;	System for testis dissociation
1X Dulbecco modified Eagle medium	Life Technologies	#31053	DMEM, for testis dissociation
Medicon	BD Biosciences	#340591	Disaggregation cartridge for testis dissociation
Fetal bovine serum	Thermo Scientific	#10082139	FBS, for FACS collection
Hoechst 33342	Invitrogen	#H3570	Hoecsht, For FACS staining
40 µm cell strainer	GREINER BIO-ONE	#89508-342	For testis dissociation
100x 15 mm petri dish	Falcon	#351029	For testis dissection
5 mL polypropylene round-bottom tubes	Falcon	#352063	For FACS collection
1.5 mL Eppendorf tubes	VWR	#20170-650	For FACS collection
3 mL needless syringe	BD Biosciences	#309657	For testis dissociation
50 mL conical tube	MIDSCI	#C50R	For testis dissociation
Propidium Iodide	Invitrogen	#L7011	PI, For FACS staining
MoFlo Legacy cell sorter	Beckman Coulter	#ML99030	For FACS
Summit Cell Sorting software	Beckman Coulter	#ML99030	For FACS
Phosphate buffered saline	Thermo Scientific	#AM9625	PBS, For microscopy
Microscopic glass slide	Fisher Scientific	#12-544-4	For microscopy
Glass coverslip	Fisher Scientific	#12-548-87	For microscopy
Disposable transfer pipette (3 mL)	Samco Scientific	#225	For testis dissociation
DNase I	Roche	#10104159001	For testis dissociation
Carbon steel surgical blade	Miltex	#4-111	For testis dissection
Countess automated cell counter	Invitrogen	#C10227	For automatic cell counting
Trypan blue solution (0.4%)	Sigma	#T8154	For viability staining