

Materials List for:

Step-specific Sorting of Mouse Spermatids by Flow Cytometry

Olivier Simard¹, Frédéric Leduc¹, Geneviève Acteau¹, Mélina Arguin¹, Marie-Chantal Grégoire¹, Marc-André Brazeau¹, Isabelle Marois², Martin V. Richter², Guylain Boissonneault¹

¹Department of Biochemistry, Université de Sherbrooke

²Department of Medicine, Université de Sherbrooke

*These authors contributed equally

Correspondence to: Guylain Boissonneault at Guylain.Boissonneault@usherbrooke.ca

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Materials

Name	Company	Catalog Number	Comments
Isoflurane	ABBOT	05260-05	For mouse anesthesia before euthanasia
Fetal bovine serum	Wisent	90150	For tube coating
1x PBS			
EDTA	BioShop	EDT	For sorting buffer preparation
HEPES	Sigma	H	For sorting buffer preparation
100% Ethanol	Les alcools de commerce	092-09-11N	For cell fixation
SYTO 16	Life Technologies	S7578	DNA staining
5 ml polypropylene round bottom tubes	BD Falcon	352063	Sorted cells collection
15 ml polypropylene conical bottom tubes	PROgene	1500	
50 ml polypropylene conical bottom tubes	PROgene	5000	
TEC4 anaesthetic vaporizer	Ohmeda	1160526	For mouse euthanasia
CO ₂ gas tank	Praxair	C799117902	For mouse euthanasia
O ₂ gas tank	Praxair	O254130501	For mouse euthanasia
Homemade mouse gas chamber			For mouse euthanasia
40 µm Falcon cell strainer	Corning Incorporated	352340	
50 µm sample line filters	BD Biosciences	649049	
Vortex mixer	Labnet international, inc.	S0200	For cell fixation
Dynac centrifuge	Clay Adams	101	
Celltrics 50 µm filters	Partec	04-004-2327	
488 nm laser-equipped cell sorter	BD Biosciences	FACSAria III	
Accudop Fluorescent Beads	BD Biosciences	345249	
Sorting Buffer: 1x PBS, 1 mM EDTA pH 8.0, 25 mM HEPES pH 7.0, 1% FBS			FBS is heat-inactivated. Make fresh solution, 0.22 µm filtered and keep at 4°C.