

Materials List for:

A Non-random Mouse Model for Pharmacological Reactivation of Mecp2 on the Inactive X Chromosome

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Materials

Name	Company	Catalog Number	Comments
MICE			
Mecp2 ^{tm3.1Bird}	The Jackson Laboratory	#014610	
B6;129-Xist (tm5Sado)	provided by Antonio Bedalov, Fred Hutchinson Cancer Center, Seattle		
REAGENTS			
22x22 mm coverslip	FISHERfinest (Fisher Scientific)	125488	
32% Paraformaldehyde	Electron Microscopy Sciences	15714-S	
50 ml syringe	Medline Industries	NPMJD50LZ	
60mm culture dish	CellStar	628160	
7-AAD	BioLegend	420403	
ammonium chloride (NH ₄ Cl)	Fisher Chemical	A661-3	
anti-GFP-AlexaFluor647	Invitrogen	A-31852	
anti-MAP2	Aves Labs	MAP	
BSA	Promega	R396D	
Buprenorphine SR	Zoopharm		
citric acid	Sigma	C-1857	
DMSO	Fisher Bioreagents	BP231-100	
Dulbecco's Modified Eagle Medium (DMEM)	Corning Cellgro	10-013-CV	
Ethanol	Decon Labs	2701	
fetal bovine serum (FBS)	VWR Life Science	89510-198	
gelatin	Sigma-Aldrich	G9391	
glass slides	Fisherbrand	22-034-486	
goat anti-chicken FITC-labeled secondary antibody	Aves Labs	F-1005	
GSK650394	ApexBio	B1051	
hamilton 10µl syringe	Hamilton Sigma-Aldrich	28615-U	
Hank's Balanced Salt Solution (HBSS)	Gibco	14025-092	
Ketamine	Ketaset	NDC 0856-2013-01	
Large blunt/blunt curved scissors	Fine Science Tools	14519-14	
LDN193189	Cayman Chemicals	11802	
Iodixanol	Sigma	1343517	
magnesium chloride (MgCl ₂)	Fisher Chemical	M35-212	

Methylcellulose	Sigma	M0262-100G	
mounting medium with DAPI	Vectashield	H-1200	
Needle tip, 26 GA x 1.25"	PrecisionGlide	305111	
ophthalmic ointment	Refresh Lacri-Lube	93468	
optimal cutting temperature (O.C.T.)	ThermoFisher		
PCR mix			
Penicillin/Streptomycin (Pen/Strep)	Corning	30-002-CI	
Phosphate buffered saline pH 7.4 (PBS)	Corning Cellgro	46-103-CM	
Potassium chloride (KCl)	Fisher Scientific	P330-500	
scalpel blades			
Shallow glass or plastic tray			
skin glue/tissue adhesive	3M Vetbond	1469SB	
sodium azide	Fisher Scientific	CAS 26628-22-8	
Sodium chloride (NaCl)	Fisher Chemical	S642-212	
standard hemostat forceps	Fine Science Tools	13013-14	
Standard tweezers	Fine Science Tools	11027-12	
Straight iris scissors	Fine Science Tools	14058-11	
sucrose	Fisher Scientific	BP220-1	
Tris-base	Fisher Bioreagents	BP152-5	
Triton X-100	Fisher Bioreagents	BP151-500	
Trypsin-EDTA	Gibco	15400-054	
Xylazine	Akorn	NDC: 59399-111-50	
EQUIPMENT			
Zeiss AxioObserver Live-Cell microscope	Zeiss	Zeiss AxioObserver	
0.45mm burr	IDEAL MicroDrill	67-1000	
BD FACScalibur			
centrifuge			
glass homogenizer			
cell culture incubator	Thermo Scientific HERACELL VIOS 160i	13-998-213	
Leica 3050S research cryostat			
stereotactic platform			
thermocycler			
Timer			
ultracentrifuge	Beckman Coulter Optima L-100 XP		
Water bath (37 °C)	Fisher Scientific Isotemp 2239		