

Materials List for:

Dissection and Coronal Slice Preparation of Developing Mouse Pituitary Gland

Dongmei Cao¹, Xianhua Ma¹, Weiping J. Zhang¹, Zhifang Xie^{1,2}

¹Department of Pathophysiology, Second Military Medical University

²Department of Cell Biology, Second Military Medical University

Correspondence to: Weiping J. Zhang at wzhang@smmu.edu.cn, Zhifang Xie at xiezf@smmu.edu.cn

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Materials

Name	Company	Catalog Number	Comments
Tools/Equipment			
Surgical scissors-straight	JinZhong	J21010	can be purchased from other vendors
Fine scissors-straight	JinZhong	WA1010	can be purchased from other vendors
Blunt forceps	JinZhong	JD1020	can be purchased from other vendors
Fine forceps	Dumont	RS-5015	for isolation of the pituitary
26G (0.45mm) needle	HongDa		for transcardial perfusion
Syringe (1 mL)	BD	300841	can be purchased from other vendors
Syringe (10 mL)	BD		can be purchased from other vendors
35mm dish	Corning	430165	can be purchased from other vendors
Lens cleaning paper	ShuangQuan		can be purchased from other vendors
Anatomical microscope	OLYMPUS	SZX-ILLB2-200	can be purchased from other vendors
Embedding cassette	Thermo Fisher	22-272423	can be purchased from other vendors
Tissue embedding console system	KEDEE	KD-BM11	can be purchased from other vendors
Microtome	Thermo Fisher	HM315R	can be purchased from other vendors
Superfrost-Plus slides	Thermo Fisher	22-037-246	can be purchased from other vendors
Cover glass	Thermo Fisher	12-543	can be purchased from other vendors
Fluorescence microscope	OLYMPUS	BH2-RFCA	can be purchased from other vendors
Name	Company	Catalog Number	Comments
Reagents			
Urethane	BBi	EB0448	
NaCl	Sigma	S9625	for PBS
KCl	Sigma	P9541	for PBS
Na ₂ HPO ₄ ·12H ₂ O	Sigma	71650	for PBS
K ₂ HPO ₄	Sigma	P2222	for PBS
NaNO ₂	Sigma	237213	

Heparin Sodium Injection	SPH	H31022051	for perfusion saline
Paraformaldehyde (PFA)	Sigma	P6148	
Ethanol	SCR	10009218	
Xylene	SCR	10023418	
Paraffin	Thermo Fisher	8330	
Hematoxylin	Sigma	H9627	for H&E staining
Eosin Y	Sigma	E4009	for H&E staining
rabbit anti growth hormone (GH)	National Hormone		for immunostaining
antibody	Pituitary Program		
Rabbit anti-mouse GFAP antibody	Sigma	G9269	for immunostaining
Goat anti-rabbit IgG, HRP	Jackson	111-035-003	for immunostaining
TSA system	NEN Life Science Products	NEL700	for immunostaining
Streptavidin, Alexa Fluor 594	Thermo Fisher	S32356	for immunostaining
Anti-FITC Alexa Fluor 488	Thermo Fisher	A11090	for immunostaining