

Microdissection of the Rodent Eye

K. Varsha Mohan¹, Prakriti Sinha¹, Bharati Swami¹, Abaranjitha Muniyasamy¹, Perumal Nagarajan¹, Pramod Upadhyay¹

¹National Institute of Immunology

Corresponding Author

Pramod Upadhyay
pkumar@nii.ac.in

Citation

Mohan, K.V., Sinha, P., Swami, B., Muniyasamy, A., Nagarajan, P., Upadhyay, P. Microdissection of the Rodent Eye. *J. Vis. Exp.* (194), e64414, doi:10.3791/64414 (2023).

Date Published

April 21, 2023

DOI

10.3791/64414

URL

jove.com/video/64414

Materials

Name	Company	Catalog Number	Comments
Acetaminophen (Biocetamol)	EG Pharmaceuticals		No specific Catalog Number (Local Procurement)
Alkaline Phosphatase Kit (DEA)	Coral Clinical System, India		No specific Catalog Number (Local Procurement)
Automated analyser	Tulip, Alto Santracruz, India	Screen Maaster 3000	Biochemical analyser for liver functional test
Betadine (Povidon-Iodine Solution)	Win-Medicare; India		No specific Catalog Number (Local Procurement)
Biological safety cabinet (Class I)	Kartos international; India		No specific Catalog Number (Local Procurement)
Bright Field Microscope	Olympus, Japan	LX51	
CBA/J inbred mice	The Jackson Laboratory	Stock No. 000654	
Cefotaxime (Taxim)	AIKEM ; India		cefotaxime sodium injection, No specific Catalog Number (Local Procurement)
Cell Strainer	Sigma ; US	CLS431752	
Collagenase Type I	Gibco by Life Technologies	17100-017	
Cotton Buds	Pure Swabs Pvt Ltd ; India		No specific Catalog Number (Local Procurement)
DPX Mountant	Sigma ; US	6522	
Drape Sheet	JSD Surgicals, Delhi, India		No specific Catalog Number (Local Procurement)
Eosin Y solution, alcoholic	Sigma ; US	HT110132	
Forceps	Major Surgicals; India		No specific Catalog Number (Local Procurement)
Gas Anesthesia System	Ugo Basile; Italy	211000	
Glucose	Himedia, India	GRM077	
Hair removing cream (Veet)	Reckitt Benckiser , India		No specific Catalog Number (Local Procurement)
Hematoxylin Solution, Mayer's	Sigma ; US	MHS16	
Heparin sodium salt	Himedia; India	RM554	
Hyaluronidase From Sheep Testes	Sigma ; US	H6254	
I.V. Cannula (Plusflon)	Mediplus, India	Ref 1732411420	

Insulin Syringes	BD ; US	REF 303060	
Isoflurane (Forane)	Asecia Queenborough	No B506	Inhalation Anaesthetic
Ketamine (Ketamax)	Troikaa Pharmaceuticals Ltd.		Ketamine hydrochloride IP, No specific Catalog Number (Local Procurement)
Meloxicam (Melonex)	Intas Pharmaceuticals Ltd; India		No specific Catalog Number (Local Procurement)
Micro needle holders straight & curved	Mercian ; England	BS-13-8	
Micro needle holders straight & curved	Mercian ; England	BS-13-8	
Microtome	Histo-Line Laboratories, Italy	MRS3500	
Nylon Thread	Mighty ; India		No specific Catalog Number (Local Procurement)
Paraformaldehyde	Himedia; India	GRM 3660	
Percoll	GE Healthcare	17-0891-01	
Refresh Tears/Eyemist Gel	Allergan India Private Limited/Sun Pharma, India	P3060	No specific Catalog Number
RPMI	Himedia; India		No specific Catalog Number (Local Procurement)
Scalpel	Major Surgicals; India		No specific Catalog Number (Local Procurement)
Scissors	Major Surgicals; India		No specific Catalog Number (Local Procurement)
SGOT (ASAT) KIT	Coral Clinical System, India		No specific Catalog Number (Local Procurement)
SGPT (ALAT) KIT	Coral Clinical System, India		No specific Catalog Number (Local Procurement)
Shandon Cryotome E Cryostat	Thermo Electron Corporation ; US		No specific Catalog Number
Sucrose	Sigma ; US	S0389	
Surgical Blade No. 22	La Medcare, India		No specific Catalog Number (Local Procurement)
Surgical Board	Locally made		No specific Catalog Number (Local Procurement)
Surgical White Tape	3M India ; India	1530-1	Micropore Surgical Tape
Sutures	Ethicon, Johnson & Johnson, India	NW 5047	
Syringes (1ml, 26 G)	Dispo Van; India		No specific Catalog Number (Local Procurement)
Trimmer (Clipper)	Philips	NL9206AD-4 DRACHTEN QT9005	
Weighing Machine	Braun		No specific Catalog Number (Local Procurement)
William's E Media	Himedia; India	AT125	
Xylazine (Xylaxin)	Indian Immunologicals Limited		Sedative, Pre-Anaesthetic, Analgesic and muscle relaxant