

Materials List for

Vibratome Sectioning of Whole Murine Kidney: A Technique to Generate Thin Sections of Murine Kidney

1
?

URL: <https://www.jove.com/video/20550>

DOI: [doi:10.3791/20550](https://doi.org/10.3791/20550)

Materials

Name	Company	Catalog Number	Comments
24-well culture plate	ThermoFisher Scientific	142485	To store kidney slices in
48-well culture plate	ThermoFisher Scientific	152640	To store kidney slices in
Absorbent paper	Fisher Scientific	06-666A	To dry the kidney before applying glue
Cyanoacrylate glue	Amazon	B001PILFVY	For adhering the kidney to the specimen plate
B6;129S-Gt(ROSA)26Sor/J	The Jackson Laboratory	13148	GCaMP3 Mice
B6;129S-Gt(ROSA)26Sor/J	The Jackson Laboratory	24105	GCaMP6f Mice
B6.FVB-Tg(Myh11-cre/ERT2)1Soff/J	The Jackson Laboratory	19079	smMHC-CRE Mice
C57BL/6-Tg(Pdgfra-cre)1Clc/J	The Jackson Laboratory	13148	PDGFRa-CRE Mice
Fine-tip forceps	Fine Science Tools	11254-20	Used for fine dissection of kidney
Gillette Silver Blue double-edge blades	Amazon	B009XHQQYO	For insertion into blade holder of vibratome
Student Adson Forceps	Fine Science Tools	91106-12	For gently holding and moving the kidney
Student Dumont Forceps	Fine Science Tools	91150-20	Used for internal dissecting forceps
Vibrocheck	Leica	14048142075	Optional component for calibrating blade movement during cutting
VT1200 S Vibrating Blade Microtome	Leica	14912000001	Configuration 1 is used in our protocol