

Materials List for:

Isolation and Quantification of Zika Virus from Multiple Organs in a Mouse

James D. Brien¹, Mariah Hassert¹, E. Taylor Stone¹, Elizabeth Geerling¹, Lillian Cruz-Orengo², Amelia K. Pinto¹

¹Department of Molecular Microbiology and Immunology, Saint Louis University

²School of Veterinary Medicine University of California Davis

Correspondence to: Amelia K. Pinto at amelia.pinto@health.slu.edu

URL: <https://www.jove.com/video/59632>

DOI: [doi:10.3791/59632](https://doi.org/10.3791/59632)

Materials

Name	Company	Catalog Number	Comments
1-bromo-3-chloropropane (BCP)	MRC gene	BP151	
10cc syringe	Thermo Fisher Scientific	BD 309642	
18G needle	Thermo Fisher Scientific	22-557-145	
1cc TB syringe	Thermo Fisher Scientific	14-823-16H	
20cc syringe	Thermo Fisher Scientific	05-561-66	
24 tube beadmill	Thermo Fisher Scientific	15 340 163	
3.2 mm stainless steel beads	Thermo Fisher Scientific	NC9084634	
37C Tissue Culture incubator	Nuair	5800	
4G2 antibody	in house		
96 well flat bottom plates	Midsci	TP92696	
96well round bottom plates	Midsci	TP92697	
Basix 1.5ml eppendorf tubes	Thermo Fisher Scientific	02-682-002	
Concentrated Germicidal Bleach	Staples	30966CT	
CTL S6 Analyzer	CTL	CTL S6 Universal Analyzer	
curved cutting scissors	Fine Science Tools	14061-11	
Dulbecco's Modified Eagle's Medium - high glucose With 4500 mg/L glucose	MilliporeSigma	D5671	
Ethanol (molecular biology-grade)	MilliporeSigma	e7023	
Fetal Bovine Serum	MilliporeSigma	F0926-500ML	
Forceps	Fine Science Tools	11036-20	
Glacial acetic acid	MilliporeSigma	537020	
Goat anti-mouse HRP-labeled antibody	MilliporeSigma	8924	
HEPES 1 M	MilliporeSigma	H3537-100ML	
Isopropanol (molecular biology-grade)	MilliporeSigma	I9516	
Ketamine/Xylazine cocktail	Comparative Medicine		
L-glutamine	MilliporeSigma	g7513	
Magmax RNA purification kit	Thermo Fisher Scientific	AM1830	
Methylcellulose	MilliporeSigma	M0512	
Microcentrifuge	Eppendorf	5424R	
MiniCollect 0.5ml EDTA tubes	Bio-one	450480	
o-ring tubes	Thermo Fisher Scientific	21-403-195	
one step q RT-PCR mix	Thermo Fisher Scientific	4392938	
Paraformaldehyde	Thermo Fisher Scientific	EMS- 15713-S	

Phosphate Buffered Saline	MilliporeSigma	d8537-500ml	
Proline multichannel pipettes	Sartorius	72230/72240	
Proline single channel pipettes	Sartorius	728230	
RNAse free water	Thermo Fisher Scientific	10-977-023	
RNAzol BD	MRC gene	RB192	
Rocking Platform	Thermo Fisher Scientific	11-676-333	
RPMI 1640	Fisher	MT10040CV	
Saponin	MilliporeSigma	s7900	
spoon/spatula	Fine Science Tools	10090-17	
straight cutting scissors	Fine Science Tools	14060-11	
Triton X-100	MilliporeSigma	t8787	
True Blue Substrate	VWR	95059-168	
Trypsin	MilliporeSigma	T3924-100ML	