

Materials List for

Feeding and Quantifying Animal-Derived Blood and Artificial Meals in *Aedes aegypti* Mosquitoes

Veronica Jové^{*1}, Krithika Venkataraman^{*1}, Thomas M. Gabel², Laura B. Duvall²

¹Laboratory of Neurogenetics and Behavior, The Rockefeller University ²Department of Biological Sciences, Columbia University

*These authors contributed equally

Corresponding Author

Laura B. Duvall

lbd2126@columbia.edu

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Materials

Name	Company	Catalog Number	Comments
15 mL conical tubes	Fisher Scientific	14-959-70C	
3 mm diameter borosilicate solid-glass bead	MilliporeSigma	Z143928	For use for bead mill homogenizer; not required if using pellet pestle grinder
32 oz. high-density polyethylene (HDPE) plastic cup	VWR	89009-668	Example mosquito container used for feeding assays shown; alternate options can be used
50 mL conical tubes	Fisher Scientific	14-959-49A	
96-well black polystyrene plate	ThermoFisher	12-566-09	
96-well PCR plate sealing film	Bio-Rad	MSB1001	Alternate options can be used
96-well PCR plates	Bio-Rad	HSP9621	Alternate options can be used
Adenosine 5'-triphosphate (ATP) disodium salt hydrate	MilliporeSigma	A6419	
Albumin (human serum)	MilliporeSigma	A9511	
Aluminum foil	Fisher Scientific	01-213	Alternate options can be used to block light entering fluorescein container
Balance	Fisher Scientific	01-911	Alternate options can be used
Bead mill homogenizer	Qiagen	85300	Not required if using pellet pestle grinder
Cotton ball	Fisher Scientific	22456880	For nectar-feeding; alternate options can be used
Defibrinated sheep blood	Hemostat Laboratories	DSB100	Alternate options can be used
Drosophila CO ₂ fly pad	Tritech Research	MINJ-DROS-FP	Alternate options can be used
Fluorescein	MilliporeSigma	F6377	
Fluorescence plate-reader	ThermoFisher	VL0000D0	Alternate options can be used
Gamma-globulin (human blood)	MilliporeSigma	H7379	
Glycerol	MilliporeSigma	G7893	
Hemoglobin (human)	MilliporeSigma	G4386	

Laboratory wrapping film - parafilm	Fisher Scientific	13-374	
Magnetic stirrer	Fisher Scientific	90-691	Alternate magnetic stirrers can be used
Microcentrifuge for 96-well plate	VWR	80094-180	Alternate options can be used
Microcentrifuge Tubes	MilliporeSigma	2236412	Alternate options can be used
Pellet pestle grinder	VWR	KT749521-1500	Not required if using bead mill homogenizer
Phosphate buffered solution (PBS)	Fisher Scientific	BW17-516F	Optional
Razor blades	Fisher Scientific	12-640	Alternate options can be used, such as a lathe for better consistency of cutting
Rubber bands			
Silicone tubing	McMaster Carr		Needed if using a fly pad for CO ₂ delivery
Sodium bicarbonate (NaHCO ₃)	Fisher Scientific	S233	
Sodium chloride (NaCl)	MilliporeSigma	S9888	
Stir bars	Fisher Scientific	14-512	Alternate magnetic stir bars can be used
Translucent polypropylene storage box with removable lid			Example box used for feeding assays shown
Vortex mixer			
Water bath			Alternate heating device may be used
White 0.8 mm polyester mosquito netting	American Home & Habit Inc.	F03A-PONO-MOSQ-M008-WT	Alternate options can be used