

Materials List for:

Quantification of Drosophila Grooming Behavior

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Materials

Name	Company	Catalog Number	Comments
High-Flex Tygon PVC Clear Tubing	McMaster-Carr	5229K54	ID 1/8", OD 1/4", used with micropipettor tips and mesh to construct mouth aspirators
Micropipette tips (1 mL and 200 µL)	Genesee Scientific	24-165, 24-150R	
Nylon Mesh Screen, 2 x 2.6"	McMaster-Carr	9318T44	Used to construct grooming chamber and mouth aspirators
Dumont #5 Forceps	Roboz Surgical Instrument	RS-5050	
Brilliant Yellow Dye	Sigma-Aldrich	201375-25G	we recommend use of nitrile gloves while handling this product
Vortexer	Fisher Scientific	12-812	set to "touch"
Ethanol	Carolina Biological Supply	86-1282	
1.5 mL microcentrifuge tubes	VWR International	10025-726	
0.65 mL microcentrifuge tubes	VWR International	20170-293	tubes can be reused with successive assays
UV 96-well plate	Corning	26014017	
BioTek Synergy HTX Platereader	BioTek	need to download catalog to access product number	http://www.biotek.com/products/microplate_detection/synergy_htx_multimode_microplate_reader.htm#tab=overview
Gen5 Microplate Reader and Imager Software	BioTek		
Microsoft Excel	Microsoft		https://www.microsoftstore.com/store/msusa/en_US/pdp/Excel-2016/productID.323021400?tduid=(65d098c0e83b86c952bdf5b0719c83f)(256380)(2459594)(SRi0yYDIqd0-LI..ql4M2LoZBEhcBljvIA)()&icid=MSUSA_PDP_PRODUCT_LINK
Drosophila Incubator	Tritech	DT2-CIRC-TK	
1/4" acrylic plastic	McMaster-Carr	8473K341	
8 - 32 nuts	McMaster-Carr	90257A009	
8 - 32 x 1" hex cap screws	McMaster-Carr	92185A199	the bottom plate needs to be tapped for this size screw
8 - 32 x 1/2" hex cap screws	McMaster-Carr	92185A194	the second plate from the top needs to be tapped
2 - 56 3/8" flat head phillips machine screws	McMaster-Carr	91500A088	these hold the two middle plates together
0.175" ID, 1/4" OD, 0.34" aluminum pipe	McMaster-Carr	92510A044	Manufactured in-house; product listed is approximately the same dimensions and should work for size 8 screws. These act as sheaths for the 1" screws and set

		the hex cap up slightly from the surface of the top plate
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