

Materials List for:

The TreadWheel: Interval Training Protocol for Gently Induced Exercise in *Drosophila melanogaster*

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Materials

Name	Company	Catalog Number	Comments
Materials for TreadWheel Construction:			
Heavy Duty Vibration-Damping leveling Mount	McMaster-Carr	60855K71	Quantity: 4
Stainless Steel Ball Bearing	McMaster-Carr	57155K306	Quantity: 8
Plug-in Voltage Transformer (500MA, 120VAC input, 24 VAC output)	McMaster-Carr	70235K16	Quantity: 1
Compact Square-Face DC Gear motor	McMaster-Carr	6409K23	Quantity: 1
Tool Holder (clamps)	McMaster-Carr	1723A22	Quantity: 5 (10x)
12L14 Carbon Steel Tight-Tolerance Rod	McMaster-Carr	5227T24	Quantity: 1
Set Screw Shaft Collar	McMaster-Carr	6432K13	Quantity: 8
Round-Belt Pulley	McMaster-Carr	6284K51	Quantity: 5
Dart Controls – 25 Max RPM, Electric AC DC Motor	McMaster-Carr	13DV 1A	Quantity: 1
Materials for Fly Maintenance and Husbandry			
6 oz Square Bottom Bottles (polypropylene)	Genesee Scientific	32-130	Quantity: 1
35x10mm Petri Dishes	VWR	82050-536	Quantity: 1
Narrow Drosophila vials	Genesee Scientific	32-116	Quantity: 1
Flystuff Flypad	Genesee Scientific	59-114	Quantity: 1
Blowgun, Mini	Genesee Scientific	54-104	Quantity: 1
Materials for RING-like Assay:			
ImageJ software	NIH	https://imagej.nih.gov/ij/	Quantity: 1
1 cM graph paper or drawn grid (at least 20 cM by 30 cM)	various		Quantity: 1
digital camera with timer or smart phone with camera timer app	various		Quantity: 1
Materials for Triglyceride Assay:			
Dewar Flask	VWR	14200-960	Quantity: 1
Serum Triglyceride Determination Kit	Sigma Aldrich	TRO100	Quantity: 1
Cordless Pestle Motor	VWR	47747-370	Quantity: 1
Pestles	VWR	47747-358	Quantity: 1