

Materials List for

A High Throughput Microplate Feeder Assay for Quantification of Consumption in *Drosophila*

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Materials

Name	Company	Catalog Number	Comments
0.25 mm Diameter Needles	Rave Scientific	RS-MN-52-001012	
0.45 µm Syringe Filters	Olympus Plastics	25-245	
10 mL Disposable Syringe	EXELINT	26200	
Agarose	Fisher Scientific	BP1600	
Barrier Strips (Laser Cut)	Ponoko	-	Material: clear PETG, 0.5mm thickness; Supplementary File:
Centrifuge 5810 R	Eppendorf	22625501	
Centrifuge Rotor A-4-62 with micro-titer plate buckets	Eppendorf	22638041	
FD&C Blue #1	Spectrum Chemical Mfg Corp	FD110	
Film Sealing Paddle	Fisher Scientific	50-563-280	
Flystuff Flypad	Genesee Scientific	#59-114 and #59-119	CO ₂ Anesthesia: The Flypads come in two sizes, either of which is appropriate
Microplate Coupler (3D Printed)	Shapeways	-	Material: Multi Jet Fusion nylon (MJF PA12); Supplementary File:
Microplate Lids	Greiner Bio-One	656170	
Molecular Devices SpectraMax iD5	Molecular Devices	-	Any microplate reader with 1536-well resolution will do.
Needle Probe Holder	Rave Scientific	RS-MN-52-001000	
Polyester Sealing Film	Excel Scientific, Inc.	100-SEAL-PLT	
Polystyrene 96-well microplates	Greiner Bio-One	655101	
Polystyrene, Bottomless, 1536-well microplates	Greiner Bio-One	783000	Made to Order; allow for adequate lead time when purchasing.
Rubber Bands			
Sucrose	Sigma	S7903	
Weather Stripping			1/2" x 1/8" High Density Self Adhesive Neoprene Rubber
Yeast Extract	Fisher Scientific	BP1422	