

# Assessment of Chemical Toxicity in Adult *Drosophila Melanogaster*

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## Materials

Name	Company	Catalog Number	Comments
1.5 inch flower lever action craft punch	Bira Craft	HCP-115-024	
15 mL Centrifuge Tubes	VWR	89039-666	High-Performance Centrifuge Tubes with Flat or Plug Caps, Polypropylene, 15 mL
2 ml Tubes	VWR	16466-044	Micro Centrifuge Tube with Flat Screw-Cap, conical bottom
5 ml Tubes	VWR	60818-576	Culture Tubes, Plastic, with Dual-Position Caps
50 mL Centrifuge Tubes	Corning	430290	50 mL polypropylene centrifuge tubes, conical bottom with plug seal cap
Benchmark Dose Software version 3.2	U.S. Environmental Protection Agency		
Cardboard trays	Genesee Scientific flystuff	32-122	trays and dividers for narrow vials
CO <sub>2</sub> gas pads	Genesee Scientific flystuff	59-114	FlyStuff flypad, CO <sub>2</sub> anesthetizing apparatus
Combitips advanced, 50 mL	Eppendorf	0030089693	Combitips advanced, Biopur, 50 mL, light gray, colorless tips
Cotton balls	Genesee Scientific flystuff	51-101	Cotton balls, large, fits narrow vials
Delicate task wipes	Kimtech	34155	Kimtech Science Kimwipes Delicate Task Wipes, 1 Ply / 8.2" x 4.39"
Drosophila Vial Plugs, Cellulose Acetate (aka, Flugs)	VWR	89168-888	Wide
FD&C Blue No. 1	Spectrum Chemical	FD110	CAS number 3844-45-9
Flies	BDSC	Stock #2057	OregonR wildtype
Gloves (nitrile)	Kimtech	55082/55081/55083	Kimtech purple nitrile exam gloves, 5.9 mil, ambidextrous 9.5"

Grade 1 CHR cellulose chromatography paper	Cytvia	3001-917	Sheet, 46 x 57 cm
Mesh for humidity chamber			
Multipette / Repeater (X) stream	Eppendorf	022460811	Repeater Xstream
Plastic grate	Plaskolite	18469 (from lowes)	Plaskolite 24 in x 48 in 7.85 sq ft louvered ceiling light panels, cut down to fit in rubbermaid tubs
Plastic trays for glass vials	Genesee Scientific flystuff	59-207	Narrow fly vial reload tray
Polypropylene Drosophila Vial	VWR	75813-156	Wide (28.5 mm)
Rubbermaid tubs	Rubbermaid	3769017 (from Lowes)	Rubbermaid Roughneck Tote 10 gallon 18" L x 12" W x 8 1/2" H
Sucrose ultra pure	MP Biomedicals, Inc.	821721	
Tube racks for wide-mouthed tubes	Thermo scientific	5970-0230	Nalgene Unwire Test tube racks, for 30 mm tubes
Water Purification System	Millipore Milli-Q	ZMQ560F01	Millipore Milli-Q Biocel Water Purifier
Yeast extract	Acros Organics	451120050	CAS number 84604-16-0