

Materials List for:

A Direct and Simple Method to Assess *Drosophila melanogaster*'s Viability from Embryo to Adult

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URL: <https://www.jove.com/video/59996>

DOI: [doi:10.3791/59996](https://doi.org/10.3791/59996)

Materials

Name	Company	Catalog Number	Comments
Antimold additive	Carolina		
Beaker	Fisher Scientific	S76100J	Beaker
Benchmark scientific digital hotplate	The Lab Depot	H3760H	Hot plate
Britta-filtered tap water to prepare grape agar and instant fly food	Any tap water filtration system		
CO ₂ pistol or FlyNap	Carolina		Anesthetic to sort/count adult flies
Dissecting microscope/ stereoscope	Amscope	SM-1TSZ-V203	Dissecting microscope
<i>Drosophila</i> culture vials and stoppers	Carolina	173120	Food vials for growing <i>Drosophila</i>
Embryo collection mini cage	Genesee Scientific	59-105	chamber used to gather embryos
Erlenmeyer flask	Sigma-Aldrich	70980	Erlenmeyer flask
Formula 4-24 Instant <i>Drosophila</i> Medium, Blue	Carolina		https://www.carolina.com/drosophila-fruit-fly-genetics/formula-4-24-drosophila-medium-blue/FAM_173210.pr
Grape agar	Genesee Scientific	47-102	Media used for agar plates
Instant fly food	Carolina	173210	Blue media for food vials
Large Petri dish or any clear container to be used as a humid chamber by placing wet paper towels to keep the grape-agar plates moist during incubation/pre and post microscopic observation			
Metal spatula (small)	Carolina		
Microwave	Any		To cook grape agar
Petri dish	Kord-Valmark	2901	Petri dish for grape agar
Stir bar	The Lab Depot	58948-981-EA	Magnetic stir bar