

Materials List for:

# The Capillary Feeder Assay Measures Food Intake in *Drosophila melanogaster*

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URL: <https://www.jove.com/video/55024>

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## Materials

Name	Company	Catalog Number	Comments
Vials (breeding)	Greiner Bio-One	960177	<a href="http://www.greinerbioone.com">www.greinerbioone.com</a>
Vials (CAFE assay)	Greiner Bio-One	217101	<a href="http://www.greinerbioone.com">www.greinerbioone.com</a>
Lid-CAFE assay	Workshop	–	–
Plastic box, low wall	Plastime	353	<a href="http://www.plastime.it">www.plastime.it</a>
Cover for the plastic box	Workshop	–	–
Capillaries	BLAUBRAND	REF 7087 07	<a href="http://www.brand.de">www.brand.de</a>
Pipette tips	Greiner Bio-One	771290	<a href="http://www.greinerbioone.com">www.greinerbioone.com</a>
Filter paper circles	Whatman	10 311 804	<a href="http://www.sigmaaldrich.com">www.sigmaaldrich.com</a>
D(+)-Sucrose	AppliChem	57-50-1	<a href="http://www.applichem.com">www.applichem.com</a>
Ethanol absolute	VWR Chemicals	20,821,330	<a href="http://www.vwr.com">www.vwr.com</a>
Food color (red, E124)	Backfun	10027	<a href="http://www.backfun.de">www.backfun.de</a>
Food color (blue, E133)	Backfun	10030	<a href="http://www.backfun.de">www.backfun.de</a>
Soap solution (CVK 8)	CVH	103220	<a href="http://www.cvh.de">www.cvh.de</a>
Digital caliper	GARANT	412,616	<a href="http://www.hoffmann-group.com">www.hoffmann-group.com</a>
Vials (breeding)			Height 9.8 cm, diameter 4.8 cm
Vials (CAFE assay)			Height 8 cm, diameter 3.3 cm
Lid-CAFE assay			Produced in university workshop, technical drawing supplied <a href="#">Please click here to download this file.</a>
Plastic box, low wall			A plastic grid inlay was custom-made for 8 x 10 vial positions
Cover for the plastic box			Dimensions (37 x 29 x 18 cm)
Capillaries			DIN ISO 7550 norm, IVD-guideline 98/79 EG, ends polished
Pipette tips			Pipettes for the outer circle are cut according to the lid
Filter paper circles			45 mm diameter works nicely if folded for the vials used
D(+)-Sucrose			Not harmful
Ethanol absolute			Highly flammable liquid and vapor
Food color (red, E124)			Not stated
Food color (blue, E133)			Not stated
Soap solution (CVK 8)			Odor neutral soap
Digital caliper			

Standard fly food			(for 20 L)
Agar			160 g
Brewer's Yeast			299.33 g
Cornmeal			1,200 g
Molasses			1.6 L
Propionic acid			57.3 mL
Nipagin 30%			160 mL