

Materials List for:

The CAPillary FEeder (CAFE) Assay: A Method to Track Food Consumption and Preference in *Drosophila*

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URL: <https://www.jove.com/video/20115>

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Materials

Name	Company	Catalog Number	Comments
Vials (breeding)	Greiner Bio-One	960177	www.greinerbioone.com
Vials (CAFE assay)	Greiner Bio-One	217101	www.greinerbioone.com
Lid-CAFE assay	Workshop	–	–
Plastic box, low wall	Plastime	353	www.plastime.it
Cover for the plastic box	Workshop	–	–
Capillaries	BLAUBRAND	REF 7087 07	www.brand.de
Pipette tips	Greiner Bio-One	771290	www.greinerbioone.com
Filter paper circles	Whatman	10 311 804	www.sigmaaldrich.com
D(+)-Sucrose	AppliChem	57-50-1	www.applichem.com
Ethanol absolute	VWR Chemicals	20,821,330	www.vwr.com
Food color (red, E124)	Backfun	10027	www.backfun.de
Food color (blue, E133)	Backfun	10030	www.backfun.de
Soap solution (CVK 8)	CVH	103220	www.cvh.de
Digital caliper	GARANT	412,616	www.hoffmann-group.com
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 Please click here to download this file.
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