

# Exploring Life History Choices: Using Temperature and Substrate Type as Interacting Factors for Blowfly Larval and Female Preferences

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## Citation

Cunha, V.A.S., Tandonnet, S., Ferreira, D.L., Rodrigues, A.V., Torres, T.T. Exploring Life History Choices: Using Temperature and Substrate Type as Interacting Factors for Blowfly Larval and Female Preferences. *J. Vis. Exp.* (201), e65835, doi:10.3791/65835 (2023).

## Date Published

November 17, 2023

## DOI

10.3791/65835

## URL

jove.com/video/65835

## Materials

Name	Company	Catalog Number	Comments
Agar	Sigma-Aldrich	05038-500G	For microbiology
Black cardboards	-	-	70x50 cm
Bovine blood with anticoagulat	-	-	50% pure bovine blood with anticoagulant (3.8% sodium citrate) + 50% of filtered water
Bovine ground Meat	-	-	Around 7-8% of fat
Brush	-	-	Made with plastic
Conical tube	Falcon or Generic	-	50 mL
Cross-shaped glass containers	Handmade	NA	48x48 cm, 8 cm of height and 8 cm of width
Erlenmeyer	Vidrolabor	NA	500 mL
70% Ethanol	Synth	A1084.01.BL	70% ethyl ethanol absolute + 30% filtered water
Graduated cylinder	Nalgon or Generic	-	500 mL and 50 mL
Heating pad	Thermolux	-	30x40 cm dimensions, 40 W, 127 V
Infrared thermometer	HeTaiDa	HTD8808	Non-contact body thermometer (Sample Rate: 0.5 S, Accuracy: ±0.2 °C, Measuring: 5-15 cm)
Petri dish (Glass)	Precision	NA	150x20 mm dimensions
			(Note: the petri dishes can be plastic if used only once)
Petri dish PS	Cralplast	18130	60x15 mm dimensions
Plastic Pasteur pipette	-	-	3 mL (total volume)
Sodium citrate	Synth	C11033.01.AG	3.8% Sodium citrate (38 g diluted in 1L of filtered water)

Spoons	-	-	More than one spoon is necessary. Use one for each type of meat substrate. Preferably stainless steel.
Stainless steel spatula	Generic	-	Flat end and spoon end
Stereomicroscope	Bioptika	-	WF10X/22 lenses
Tweezer	-	-	Metal made and fine point
White led light strips	NA	NA	4.8 W, 2x0.05 mm <sup>2</sup> , 320 lumens, Color temperature:6500 K (white)