

Materials List for:

Determining the Egg Fertilization Rate of *Bemisia Tabaci* Using a Cytogenetic Technique

Elizabeth C. Bondy¹, Martha S. Hunter²

¹Graduate Interdisciplinary Program in Entomology and Insect Science, University of Arizona

²Department of Entomology, University of Arizona

Correspondence to: Elizabeth C. Bondy at ebond@email.arizona.edu

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Materials

Name	Company	Catalog Number	Comments
1XPBS	Any		
1XTBST	Any		5X solution made from 30g Tris, 43.8g NaCl, 5 mL Tween-20 and 1.0g NaN ₃ pH7.5, and brought to 1L with PCR grade water
Bleach	Clorox		Any household bleach will work as long as it can be diluted to 0.83% Sodium hypochlorite
Clear nail polish	Any		
DAPI dilactate	Santa Cruz Biotechnology	sc300415	
Ethanol	Any		Dilute to 70% EtOH
Fluorescent microscope	Nikon		Nikon Eclipse 50i was used in this experiment, but any fluorescent microscope with 340/380 nm excitation filter and at least 4-10X magnification can be used
Glacial acetic acid	Mallinckrodt	UN2789	
Glycerol	Any		
Microscope	Wild		A Wild M5A microscope was used for this experiment, but any microscope where the operator can clearly see the whitefly eggs can be used
Microscope slide covers	Any		Methods are for 18mm x 18mm sized slide covers. More mounting media will need to be added for larger slide covers.
Microscope slides	Any		
Minuten nadel pins	BioQuip	1208SA	Minuten nadel pins are optional for fashioning as probes with pipette tips
NaCl	Any		
NaN ₃	Any		
n-propyl-gallate	Sigma/Santa Cruz Biotechnology	P3130/sc-250794	
Parafilm	Bemis		
Pasteur pipettes	Fisher Scientific	13-678-20A	Fisherbrand Disposable Borosilicate glass Pasteur pipettes 5.75 in. A Bunsen burner may also be needed if operator would like to lengthen and narrow pipettes

PCR grade water	Any		
Pipette tips	Any		Pipette tips are optional for fashioning as probes with minuten nadel pins
Small dropper bulb	Any		Must fit on Pasteur pipette
Tris	Any		
Tween-20	Any		