

Materials List for

# Using the Fluorescent Dye, Rhodamine B, to Study Mating Competitiveness in Male *Aedes aegypti* Mosquitoes

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## Materials

Name	Company	Catalog Number	Comments
Compound light microscope	Olympus	CX23	To score for spermathecae insemination
Dissection forceps	Bioquip	Rubis forceps (4524)	
Fluorescence stereo-light microscope with RFP1 filter	Olympus	SZX16	To check for Rhodamine B fluorescence signal
Mosquito cages	Bugdorm	4F3030	W 32.5 cm x D 32.5 cm x H 32.5 cm; mesh size of 150 x 150; 160 µm aperture For holding of male and female adult mosquitoes prior to mating assay
6M610	W 60 cm x D 60 cm x H 60 cm; mesh size of 44 x 32; 650 µm aperture For mating competitiveness assay		
Mosquito netting			150 x 150, 160 µm aperture
Rhodamine B	Sigma Aldrich	R6626	≥95% (HPLC)
Stereo-light microscope	Olympus	SZ61	For spermathecae dissection
Sucrose	MP Biomedicals	SKU 029047138	Food grade
TetraMin tropical flakes	Tetra	77101	Fish food for feeding larvae