

Materials List for:

Protocol for dengue infections in mosquitoes (*A. aegypti*) and infection phenotype determination

Suchismita Das¹, Lindsey Garver¹, Jose Ruiz Ramirez¹, Zhiyong Xi¹, George Dimopoulos¹

¹Malaria Research Institute, Bloomberg School of Public Health, Johns Hopkins University

Correspondence to: George Dimopoulos at gdimopou@jhsp.edu

URL: <http://www.jove.com/video/444>

DOI: [doi:10.3791/444](https://doi.org/10.3791/444)

Materials

Name	Type	Company	Catalog Number	Comments
Incubator				with 5% CO ₂ , 37°C
50 mL conical tubes				plastic
human serum and blood				O+
pipette tip				for tissue culture
pipettman				
Pasteur pipetts				glass, sterile
water bath				37°C
centrifuge				
parafilm				
circulating water bath				
glass membrane feeders				with rubber tubing to fit feeders
mosquito cups				
75% ethanol				
10% bleach				
Tissue-culture plates				6-well, 24-well and 96-well plates
Petri dish				glass
Slides				
fine-tip forceps				
PBS				1X, sterile
dissecting microscope	Microscope			
C6/36 cells	cells			For virus propagation
C6/36 medium				MEM with 10% heat inactivated FBS, 1% L-glutamine and non-essential amino acid and 1% (v/v) Penicillin-Streptomycin.
3'-Diaminobenzidine tetrahydrochloride		Sigma-Aldrich	D5905	1 tablet in 20 ml of 1 X PBS, dissolve and then add 8 µl of 30% hydrogen peroxidase
30% hydrogen peroxidase				
<i>A. aegypti</i>	Animal			mosquito