

Materials List for:

Protocol for Plasmodium falciparum Infections in Mosquitoes and Infection Phenotype Determination

Zhiyong Xi¹, Suchismita Das¹, Lindsey Garver¹, George Dimopoulos¹

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

Correspondence to: George Dimopoulos at gdimopou@jhsp.edu

URL: <https://www.jove.com/video/222>

DOI: [doi:10.3791/222](https://doi.org/10.3791/222)

Materials

Name	Type	Company	Catalog Number	Comments
Anopheles	Animal			mosquitos
Plasmodium falciparum	Animal			Parasite. Gametocytes with known gametocytemia.
15 mL conical tubes				plastic
Serum, blood				human, O+
0.2% mercurochrome				
glass-slide				12 well
light microscope				
cell counter				
10% bleach				
pipette tips				for tissue culture
parafilm				
mosquito feeder				glass membrane feeders, rubber tubing to fit feeders
Petri dishes				glass
fine-tip forceps				
PBS	buffer			1X, sterile
circulating water bath				
pipetteman				