

# Zika Virus propagation

**Elen Mello de Souza, Audrien Alves Andrade, Fernanda Cunha Jácome, Marcos Alexandre Nunes da Silva, Gabriela Cardoso Caldas, Ortrud Monika Barth, Debora Ferreira Barreto-Vieira**

## Abstract

Zika Virus propagation

**Citation:** Elen Mello de Souza, Audrien Alves Andrade, Fernanda Cunha Jácome, Marcos Alexandre Nunes da Silva, Gabriela Cardoso Caldas, Ortrud Monika Barth, Debora Ferreira Barreto-Vieira Zika Virus propagation. **protocols.io** dx.doi.org/10.17504/protocols.io.jkackse

**Published:** 05 Sep 2017

## Protocol

### Step 1.

wash 3 times the monolayer of C6/36 lineage cells seeded at the culture flask with Phosphate-buffered saline (PBSx1).

### Step 2.

inoculation with 100 µl of the viral suspension at the multiplicity of infection (MOI) 0, 01 for 1h / 37°C to allow for virus adsorption, under agitation every 15 minutes.

### Step 3.

maintain with 5 ml of the Leibovitz L-15 supplemented medium (Cultilab) with 2% fetal bovine serum (Cultilab), 2 mM L-glutamine (Gibco) and 100U/50µg penicillin/streptomycin (Sigma-Aldrich) for seven days at 28°C.

### Step 4.

collect the supernatant of infected cultures.

### Step 5.

make aliquots of 500 µl in microtubes containing 20% fetal bovine serum (Cultilab).

### Step 6.

Freeze at -70°C until viral titration.