



Laboratory procedures in entomology and diagnostic lab sections of CDC PR dengue branch

Department of Health and Human Services | Centers for Disease Control and Prevention | Office of the Director

Description of B-Roll

- 0:00-0:39: Close shot of mosquito larvae being placed in petri dish
- 0:40-0:46: Lab technician counting larvae and placing in tray to hatch
- 0:47-1:10: Adult mosquitoes in cage
- 1:11-1:28: Mosquito larvae in tray
- 1:29-2:15: Lab technician aspirating mosquitoes and transferring them into bioassay bottle
- 2:16-2:45: Entomologist in the field placing ovi-traps to collect mosquito eggs
- 2:46-2:59: Brown paper showing mosquito eggs
- 3:00-3:23: Quick shots of Dengue Branch sign, Puerto Rico and US flags and Dengue Branch building
- 3:24-4:39: Lab technician placing patient serum samples into RNA extraction plate and transferring to robot. Robot extracts 32 samples at a time in 30 minutes.
- 4:40-4:49: Lab technician preparing the master mix to set up the Real-time RT-PCR assay
- 4:50-5:19: Lab technician setting up and covering PCR plate; transferring to PCR machine
- 5:20-6:19: Lab technician placing master mix containing the samples into PCR machine
- 6:20-7:05: Lab technician looking at data on computer screen; close up of computer screen pointing to suspect dengue, Chikungunya and Zika patient serum results
- 7:06-7:25: Close up of Zika form for asymptomatic pregnant women