

## West Nile virus testing process

Curious about the testing process?

1. Collect mosquitoes
2. Count and sort mosquitoes based on genus
3. Add 30 Culex mosquitoes, 1.0ml buffer solution, and 2 copper-coated ball bearings to dilution vial. Vortex 1-5 minutes or until there are no whole mosquito parts.
4. Centrifuge sample for 3-5 minutes.
5. Transfer 120 microliters into empty buffer vial. Using assay tip, mix sample 10 times then draw 10 microliters into assay tip and dispense into sample well of the test cartridge.
6. Dry sample at room temperature for 90 minutes then insert into RAMP instrument.
7. Record result.

**Step 1: Collect mosquitoes**



**Step 2: Count and sort**



**Step 5: Prepare sample for test cartridge**



**Steps 3, 4: Vortex and centrifuge**



**Steps 6, 7: Insert into RAMP tester and record**

