

# KNOW WHAT I'M CARRYING?

 **RAMP®** does...



The RAMP® system provides easy-to-use, high-sensitivity tests that can reliably and efficiently detect **West Nile Virus (WNV)** and **Dengue Virus (DENV)** antigen in field-collected mosquitoes.

## RAMP® DENGUE HIGHLIGHTS

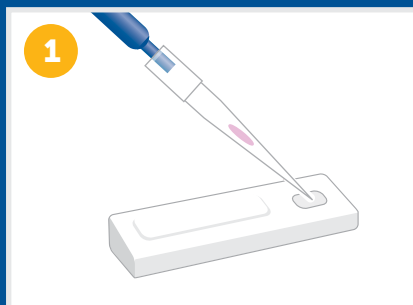
- ✓ Quantitative results for optimal surveillance
- ✓ Detects a single infected mosquito in a pool of 25
- ✓ All four Dengue virus serotypes detected in mosquito samples
- ✓ Twice the buffer for your convenience

## RAMP® FEATURES AND BENEFITS

- ✓ Instrument-based detection for objective results
- ✓ Calibrated transfer device provided with every box
- ✓ RAMP® reader software corrects for sources of variability to give reproducible and accurate results
- ✓ 24 hour Technical Support available

## RAMP® PLATFORM

### SIMPLE STEPS FOR TESTING MOSQUITO HOMOGENATES



1  
ADD SAMPLE & DRY



2  
INSERT CARTRIDGE



3  
READ RESULT

\*RAMP® Reader or RAMP® 200 can be used

## ✓ RAMP® DENGUE TEST ADVANTAGES

- Quantitative results display in ~1 minute
- Detects antigen of all four Dengue virus serotypes (DENV-1, DENV-2, DENV-3, and DENV-4) in mosquito homogenate
- High range to accommodate high viral load samples
- Specific for Dengue: does not cross-react with WNV

DENV Sample	Concentration	Sensitivity
DENV-1	1,500 ng/mL	100%
DENV-2	500 ng/mL	100%
DENV-3	5,000 ng/mL	100%
DENV-4	5,000 ng/mL	100%

- Specificity of 100% obtained from 300+ field-collected mosquito pools using a cut-off of 30 RAMP® units



## ✓ RAMP® WNV TEST ADVANTAGES

- Sensitive detection of WNV antigen in mosquitoes and corvids
- Simple, convenient room temperature sampling and storage
- Independently evaluated by the CDC versus real time RT-PCR<sup>1</sup>
- Quantitative results to allow for customization of cut-offs

<sup>1</sup> Burkhalter, Kristen L. et al. (2014) Journal of the American Mosquito Control Association, 30(1):21–30, 2014

## RAMP® READER

### HIGHLIGHTS

- A fully portable lightweight reader
- No calibration or maintenance required
- Battery runs up to 100 tests on a single charge
- Self-diagnostic and internal quality control checks
- Robust design for field testing



## RAMP® 200

### HIGHLIGHTS

- A high throughput, multi-port reader
- Modular, expandable and flexible design
  - Quick and easy export to Excel™
- Touch screen interface
  - No calibration or maintenance required



## CONTACT US

[WWW.RESPONSEBIO.COM](http://WWW.RESPONSEBIO.COM)

### 24-HOUR TECHNICAL SUPPORT

Tel: 1-866-525-7267 North America (toll free)  
 Tel: 1-604-219-6119 International  
 Email: [techsupport@responsebio.com](mailto:techsupport@responsebio.com)

**RESPONSE BIOMEDICAL**

### RESPONSE CORPORATE OFFICE

1781 – 75th Avenue W., Vancouver, B.C., V6P 6P2  
 Office Hours: Monday to Friday, 8:00 am to 4:30 pm PST  
 Tel: 1-888-591-5577 North America (toll free)  
 Tel: 1-604-456-6010 International  
 Email: [customersupport@responsebio.com](mailto:customersupport@responsebio.com)