

Dengue Virus Type 2, New Guinea C

Catalog No. NR-51427

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Lot No. 70029889

For research use only. Not for human use.

Contributor:

National Institute of Allergy and Infectious Diseases (NIAID),
National Institutes of Health (NIH)

Manufacturer:

Yale Arbovirus Research Unit, under contract
NIH-NIAID-72-2509

Product Description:

Reagent: Seed Virus

Virus Classification: *Flaviviridae*, *Flavivirus*

Species: Dengue virus Type 2

Strain/Isolate: New Guinea C

NIAID Class: Research Reference Reagent

NIAID Catalog No.: V-575-001-522

Source: ATCC® VR-222™

Donor Passage History (# of passages):

Human (4)

Suckling mouse (23)

Producer Passage History (# of passages):

Suckling mouse (2)

Material Provided:

Composition: Lyophilized suspension of infected mouse
brain with 4% bovine serum albumin and
phosphate-buffered saline, pH 7.9

Volume: 0.5 mL

Packaging/Storage:

Packaging: Glass ampoule

Storage Temperature: 2°C to 8°C or colder

Functional Activity:

Infectivity:

Conditions: Suckling mouse

LD₅₀: 2 × 10⁶ per g

The Lethal Dose 50% (TCID₅₀) endpoint is the 50% lethal endpoint in tissue culture. The LD₅₀ is the dilution of virus that under the conditions of the assay can be expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the LD₅₀ provides a measure of the potency of a virus preparation.

Date of Last Test: March 1974

Purity:

Serum Neutralization Breakthrough: No adventitious agent detected

Murine Antibody Production: Negative

Citation:

Acknowledgment for publications should read "The following

reagent was obtained through BEI Resources, NIAID, NIH:
Dengue Virus Type 2, New Guinea C, NR-51427."

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. *Biosafety in Microbiological and Biomedical Laboratories*. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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