

Dengue Virus Type 2 Hyperimmune Ascitic Fluid, New Guinea C

Catalog No. NR-51426

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Lot No. 70030162

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: Hyperimmune ascitic fluid

NIAID Class: Research Reference Reagent

Production data:

Animal: Mouse

Control Ascitic Fluid: Dengue 2 virus, New Guinea C control mouse ascitic fluid (V-575-401-562)

Immunizing Antigen: Dengue 2 virus, New Guinea C (V-575-001-562) without protein stabilizers

Adjuvant or Other Reagents Used: Complete Freund's adjuvant, Sarcoma 180/TG

Material Provided:

Composition: Lyophilized mouse ascitic fluid

Volume: 1.0 mL

Packaging/Storage:

Packaging: Glass ampoule

Storage Temperature: 4°C or colder

Functional Activity:

Neutralization Index:

Test System: Suckling mouse

Neutralization Index: 7.9×10^2

Complement Fixation:

Conditions: 2 units of activated complement (C'); 30 minutes at 37°C

Titer: 128/256

Hemagglutination Inhibition:

Titer: 1:640

Date of Last Test: October 1976

Purity:

Complement Fixation Titer with Other Viruses:

Dengue virus type 1: 128

Dengue virus type 3: 128

Dengue virus type 4: 32

Kokobera virus: 32

Alfuy virus: 16

Banzi virus: 16

Equine herpes virus: 16

Ilheus virus: 16

Zika virus: 16

Bussuquara virus: 8

Israel turkey meningoencephalitis virus: 8

Murray Valley encephalitis virus: 8

Ntaya virus: 8

Kunjin virus: 4

Potiskum virus: 4

Japanese B encephalitis virus: Negative

Spondweni virus: Negative

Stratford virus: Negative

Tembusu virus: Negative

Uganda S virus: Negative

Usutu virus: Negative

Wesselsbron Disease virus: Negative

West Nile virus: Negative

Antigen 1-47: Negative

Antigen 49-56: Negative

Antigen 58-149: Negative

Antigen 151-181: Negative

Hemagglutination Inhibition:

Dengue virus type 4: 320

Dengue virus type 3: 160

Dengue virus type 1: 80

Japanese B encephalitis virus: 80

Rio Bravo virus: 80

Yellow fever virus: 80

St. Louis encephalitis virus: 40

Cowbone Ridge virus: 40

Russian Spring Summer encephalitis virus: 20

Modoc virus: 10

Powassan virus: 10

Safety Test: No adventitious agents detected

Mouse Brain Antibody: Negative at 1:4

Murine Antibodies:

Reovirus, type 3: Negative

LCM virus of mice (LCMV): Negative

Ectromelia: Negative

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Dengue Virus Type 2 Hyperimmune Ascitic Fluid, New Guinea C, NR-51426."

Biosafety Level: 1

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/bmb15/index.htm.

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