

Human Late Convalescent Plasma 003 to Zika Virus

Catalog No. NR-50615

Lot No. 70001927

For research use only. Not for human use.

Contributor and Manufacturer:

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Product Description:

NR-50615 is convalescent plasma collected from a human subject who returned from travel to Colombia with a confirmed Zika virus (ZIKV) infection. The sample was obtained on August 26, 2016, two hundred twenty-four days after the onset of symptoms. This case represents a primary flavivirus exposure based on virus- and type-specific neutralizing antibody titers obtained at various times after infection (see Functional Activity section below).¹

Material Provided:

Each vial contains approximately 0.5 mL of plasma.

Packaging/Storage:

NR-50615 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:^{1,2}

50% neutralization titers:

- ZIKV – 432
- DENV1 – ND (negative at earlier time points)
- DENV2 – ND (negative at earlier time points)
- DENV3 – ND (negative at earlier time points)
- DENV4 – ND (negative at earlier time points)

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Human Late Convalescent Plasma 003 to Zika Virus, NR-50615.”

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/bmb15/index.htm.

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References:

1. Mulligan, M., Personal Communication.
2. Testing was performed on a matched serum sample obtained at the same time as this plasma.

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