

Human Convalescent Plasma 211 to Zika Virus

Catalog No. NR-50659

Lot No. 70006172

For research use only. Not for human use.

Contributor and Manufacturer:

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Product Description:

NR-50659 is convalescent plasma collected from a human subject who had been exposed to Zika virus (ZIKV) while traveling abroad, possibly in the Dominican Republic in June 2016. The sample was obtained on July 8, 2016, approximately 1 month after the onset of symptoms, and is ZIKV IgM-positive. This case represents a secondary flavivirus exposure based on virus- and type-specific neutralizing antibody titers (see Functional Activity section below).¹ This immune plasma has been heat inactivated.

Material Provided:

Each vial contains approximately 0.1 mL of plasma.

Packaging/Storage:

NR-50659 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

50% neutralization titers:

DENV1 – 2,046
DENV2 – 10,520
DENV3 – 612
DENV4 – 492
ZIKV – 14,158

Citation:

Acknowledgment for publications should read "The following reagent was obtained from the UNC/NIH Traveler Study through BEI Resources, NIAID, NIH: Human Convalescent Plasma 211 to Zika Virus, NR-50659."

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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References:

1. deSilva, A. M., Personal Communication.

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