Product Information Sheet for NR-50722

CBER/FDA PRVABC59 Zika Virus RNA Reference Reagent, Heat-Inactivated

Catalog No. NR-50722

For research use only. Not for human use.

Contributor & Manufacturer:
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Product Description:
PRVABC59 Zika virus (ZIKV) RNA reference reagent (ZIKV-RR, PRVABC59) is for use in the development and validation of ZIKV nucleic acid testing (NAT). NR-50722 consists of material produced in Cercopithecus aethiops kidney epithelial (Vero) cells infected with ZIKV, PRVABC59 that has been heat-inactivated at 56°C for 60 minutes, diluted in dialyzed, defibrinated human plasma and lyophilized.1,2

The heat-inactivated preparation of ZIKV-RR, PRVABC59 (non-lyophilized) was included in a collaborative validation studies for the World Health Organization International Standard for ZIKV (WHO ZIKV IS).3

ZIKV, PRVABC59, was isolated from the blood of a human in Puerto Rico in 2015. The complete genomic sequence of ZIKV, PRVABC59 has been determined (GenBank: KU501215).4

Material Provided:
Each ampule contains lyophilized ZIKV-RR, PRVABC59 from approximately 1 mL of heat-inactivated, clarified cell lysate and supernatant from Vero cells infected with ZIKV, PRVABC59.

Packaging/Storage:
NR-50722 was packaged aseptically in glass ampules. The product is provided frozen on dry ice and should be stored at -20°C immediately upon arrival. NR-50722 can be reconstituted with 1 mL of sterile distilled water. After rehydration NR-50722 should be stored at -60°C or colder. Freeze-thaw cycles should be avoided.

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: CBER/FDA PRVABC59 Zika Virus RNA Reference Reagent, Heat-Inactivated, NR-50722.”

Biosafety Level: 2


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