Product Information Sheet for NR-50723

CBER/FDA FSS13025 Zika Virus RNA Reference Reagent, Heat-Inactivated

Catalog No. NR-50723
For research use only. Not for human use.

Contributor:
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Manufacturer:
Center for Biologics Evaluations and Research (CBER), Food and Drug Administration (FDA), Silver Spring, Maryland, USA

Product Description:
FSS13025 Zika virus (ZIKV) RNA reference reagent (ZIKV-RR, FSS13025) is for use in the development and validation of ZIKV nucleic acid testing (NAT). NR-50723 consists of material produced in Cercocebus aethiops kidney epithelial (Vero) cells infected with ZIKV. FSS13025 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, FSS13025 (non-lyophilized) was included in a collaborative validation studies for the World Health Organization International Standard for ZIKV (WHO ZIKV IS).\(^{3}\)

ZIKV, FSS13025, was isolated from the blood of a human in Cambodia in 2010. The complete genomic sequence of ZIKV, FSS13025 has been determined (GenBank: JN860885).\(^{4}\)

Material Provided:
Each ampule contains lyophilized ZIKV-RR, FSS13025 from approximately 1 mL of heat-inactivated, clarified cell lysate and supernatant from Vero cells infected with ZIKV, FSS13025.

Packaging/Storage:
NR-50723 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-50723 can be reconstituted with 1 mL of sterile distilled water. After rehydration NR-50723 should be stored at -60°C or colder. Freeze-thaw cycles should be avoided.

Citation:
Acknowledgement for publications should read “The following reagent was obtained through the WRCEVA program and BEI Resources, NIAID, NIH: CBER/FDA FSS13025 Zika Virus RNA Reference Reagent, Heat-Inactivated, NR-50723.”

Biosafety Level: 2

Disclaimers:
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References:

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