

## Alkhumra Virus, Zaki-1, Gamma-Irradiated

### Catalog No. NR-37386

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### For research use only. Not for human use.

#### Contributor and Manufacturer:

World Reference Center for Emerging Viruses and Arboviruses, University of Texas Medical Branch, Galveston, under government contract

#### Product Description:

Gamma-irradiated Alkhumra virus, Zaki-1<sup>1</sup> was prepared from infected Vero E6 cell pellets. Cell pellets were resuspended in 50 mM sodium borate and 120 mM sodium chloride (pH 9) containing 1% Triton X-100, gamma-irradiated ( $5 \times 10^6$  RADs) on dry ice and sonicated. Cell debris was removed by centrifugation and the supernatant containing the irradiated antigen was aliquoted and vialled.

NR-37386 was tested for residual virus following the procedure described by Towner et al.<sup>2</sup> No residual virus was recovered.

#### Material Provided:

Each vial contains 100  $\mu$ L of irradiated antigen in 50 mM sodium borate and 120 mM sodium chloride (pH 9) containing 1% Triton X-100. The vial should be centrifuged prior to opening.

#### Packaging/Storage:

NR-37386 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen and should be stored at  $-20^{\circ}\text{C}$  or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

#### Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Alkhumra Virus, Zaki-1, Gamma-Irradiated, NR-37386."

#### 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/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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#### References:

- Dodd, K. A., et al. "Ancient Ancestry of KFDV and AHFV Revealed by Complete Genome Analyses of Viruses Isolated from Ticks and Mammalian Hosts." PLoS Negl. Trop. Dis. 10 (2011): e1352. PubMed: 21991403.
- Towner, J. S., et al. "High-Throughput Molecular Detection of Hemorrhagic Fever Virus Threats with Applications for Outbreak Settings." J. Infect. Dis. 196 Suppl. 2 (2007) S205-S212. PubMed: 17940951.

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