Product Information Sheet for NR-48948

Flexal Virus, BeAn 293022, Gamma-Irradiated

Catalog No. NR-48948

This reagent is the tangible property of the U.S. Government.

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, Texas, USA, under government contract

Product Description:

Gamma-irradiated Flexal Virus, BeAn 293022[1-5] 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 (5×10^6 RADs) on dry ice and sonicated. Cell debris was removed by centrifugation and the supernatant containing the irradiated antigen was aliquoted and vialed.

NR-48948 was tested for residual virus following the procedure described by Towner et al.[6] No residual virus was recovered.

Material Provided:

Each vial contains 100 µL 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-48948 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen and should be stored at -20°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: Flexal Virus, BeAn 293022, Gamma-Irradiated, NR-48948."

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.

Disclaimers:

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References:

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2. The International Catalog of Arboviruses Including Certain Other Viruses of Vertebrates, Centers for Disease Control and Prevention. https://wwwn.cdc.gov/arbocat/VirusDetails.aspx?ID=148
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4. Charrel, R. N., et al. "Phylogeny of New World Arenaviruses Based on the Complete Coding Sequences of the Small Genomic Segment Identified an Evolutionary Lineage Produced by Intrasegmental Recombination." Biochem. Biophys. Res. Commun. 296 (2002): 1118-1124. PubMed: 12207889.
5. Charrel, R. N., X. de Lamballerie, and S. Emonet. "Phylogeny of the Genus Arenavirus." Curr. Opin.

BEI Resources
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

Microbiol. 11 (2008): 362-368. PubMed: 18602020.
6. 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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E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898