

Product Information Sheet for NR-59451

Whole Cell Antigen, MPXV hMPXV/USA/MA001/2022, Clade II with Uninfected Control BSC-40 Cells, Gamma-Irradiated

Catalog No. NR-59451

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

For research use only. Not for use in humans.

Contributor and Manufacturer:

University of Texas Medical Branch (UTMB), Galveston, Texas, USA, under government contract

Product Description:

NR-59451 is a whole cell antigen kit with two components, NR-58721 and NR-58720 (Table 1), prepared following the same procedure. NR-58721 was prepared from pelleted uninfected *Chlorocebus* (previously *Cercopithecus*) *aethiops* kidney epithelial cells (BSC-40) and NR-58720 was prepared from BSC-40 cells infected with MPXV hMPXV/USA/MA001/2022, Clade II. Cell pellets were gamma-irradiated (5×10^6 RADs) on dry ice, followed by sonication and centrifugation to clarify.¹ The supernatant containing the irradiated antigen was aliquoted and vialled.

Table 1: MPXV Whole Cell Antigen Kit

Lysate Type	BEI Resources Catalog Number
Gamma-irradiated uninfected BSC-40 whole cell antigen control	NR-58721
Gamma-irradiated MPXV hMPXV/USA/MA001/2022, Clade II infected BSC-40 whole cell antigen	NR-58720

Material Provided:

Each kit contains one vial of each lysate, containing approximately 0.1 mL of gamma-irradiated and sonicated cell lysate and supernatant.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

NR-59451 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°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: Whole Cell Antigen, MPXV hMPXV/USA/MA001/2022, Clade II with Uninfected Control BSC-40 Cells, Gamma-Irradiated, NR-59451."

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 \(BMBL\)](#), 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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References:

1. Ksiazek, T. G., Personal Communication.

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