

**Zaire Ebolavirus Human Immunoglobulin (IgG) Panel (anti-glycoprotein)**

**Catalog No. NR-52374**

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

**Contributor:**

BEI Resources, National Institutes of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), Rockville, Maryland, USA

**Manufacturer:**

Battelle, Columbus, Ohio, USA under NIAID/NIH contract HHSN272201200003/ Task Order HHSN27200009

**Product Description:**

NR-52374 is a Zaire Ebolavirus Human Immunoglobulin (IgG) Panel for testing human serum samples via the Filovirus Animal Nonclinical Group anti-Ebolavirus glycoprotein (GP) immunoglobulin Enzyme-Linked Immunosorbent Assay [FANG anti-EBOV GP IgG ELISA].<sup>1</sup> The ELISA method reproducibly quantifies levels of anti-EBOV GP IgG antibodies in human serum samples from EBOV disease survivors and vaccinated individuals.<sup>1</sup> The panel was created from various dilutions of a pooled positive human serum from Phase 1 clinical trial volunteers into naïve human serum.

**Material Provided:**

The Zaire Ebolavirus Human Immunoglobulin (IgG) Panel is made up of 10 vials containing approximately 50 µL per vial of positive human serum diluted in a range of concentrations in naïve human serum. One vial contains only naïve human serum.

**Packaging/Storage:**

NR-52374 was packaged in cryovials. The product is provided frozen and should be stored at -70°C or colder immediately upon arrival. Once thawed, the material may be stored at 2°C to 8°C for up to 21 days.

**Functional Activity:**

NR-52374 has been used in the FANG anti-EBOV GP IgG ELISA.<sup>1</sup>

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Zaire Ebolavirus Human Immunoglobulin (IgG) Panel (anti-glycoprotein), NR-52374.”

**Biosafety Level: 2**

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:**

1. Rudge, T. L. Jr, et al. “Development, Qualification, and Validation of the Filovirus Animal Nonclinical Group Anti-Ebola Virus Glycoprotein Immunoglobulin G Enzyme-Linked Immunosorbent Assay for Human Serum Samples.” [PLoS One](#) 14 (2019): e0215457. PubMed: 30998735.

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