

# Herpes Simplex Virus 1, C08R Pre-Treatment Clinical Isolate

Catalog No. NR-59967

## Product Description:

Herpes simplex virus 1 (HSV-1) C08R was isolated from the right eye of an immunocompetent patient prior to treatment with acyclovir in June 2008. NR-59967 was produced by infecting *Chlorocebus aethiops* kidney epithelial cells, clone 6 (Vero E6; ATCC® CRL-1586™) with the deposited material and incubating in Dulbecco's Modified Eagle's Medium (ATCC® 30-2002) supplemented with 2% fetal bovine serum (ATCC® 30-2020) for 3 days at 37°C with 5% CO<sub>2</sub> to produce this lot.

## Passage History:

Unk(Unk)/VE6(2) (Prior to deposit at BEI Resources/BEI Resources); Unk = unknown number; VE6 = Vero E6 cells

Lot: 70081602

Manufacturing Date: 23FEB2026

| TEST                                                                                                                                                                                                                                                                                                                                            | SPECIFICATIONS                                                                                | RESULTS                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Identification by Infectivity in Vero E6 Cells                                                                                                                                                                                                                                                                                                  | Refractile rounding                                                                           | Refractile rounding                                                                         |
| Next-Generation Sequencing (NGS) of Complete Genome                                                                                                                                                                                                                                                                                             | ≥ 98% sequence identity with HSV-1, KOS (GenBank: KT899744)                                   | 99.03% sequence identity with HSV-1, KOS (GenBank: KT899744)                                |
| Sequencing of Strain-Specific Region (~ 1130 nucleotides)                                                                                                                                                                                                                                                                                       | Report sequence identity with HSV-1 isolate C10bl thymidine kinase gene (GenBank: KC881056.1) | 100% sequence identity with HSV-1 isolate C10bl thymidine kinase gene (GenBank: KC881056.1) |
| Titer by TCID <sub>50</sub> Assay in Vero E6 Cells by Cytopathic Effect <sup>1</sup><br>(7 days at 37°C with 5% CO <sub>2</sub> )                                                                                                                                                                                                               | Report results                                                                                | 1.6 × 10 <sup>8</sup> TCID <sub>50</sub> /mL                                                |
| <b>Sterility (21-day incubation)</b><br>Harpo's HTYE broth, 37°C and 26°C, aerobic <sup>2</sup><br>Trypticase Soy broth, 37°C and 26°C, aerobic<br>Sabouraud broth, 37°C and 26°C, aerobic<br>Sheep blood agar, 37°C, aerobic<br>Sheep blood agar, 37°C, anaerobic<br>Thioglycollate broth, 37°C, anaerobic<br>DMEM with 10% FBS, 37°C, aerobic | No growth<br>No growth<br>No growth<br>No growth<br>No growth<br>No growth<br>No growth       | No growth<br>No growth<br>No growth<br>No growth<br>No growth<br>No growth<br>No growth     |
| <b>Mycoplasma Contamination</b><br>Agar and broth culture (14-day incubation at 37°C)<br>DNA detection by PCR of extracted Test Article nucleic acid                                                                                                                                                                                            | None detected<br>None detected                                                                | None detected<br>None detected                                                              |

<sup>1</sup>The Tissue Culture Infectious Dose 50% (TCID<sub>50</sub>) endpoint is the 50% infectious endpoint in cell culture. The TCID<sub>50</sub> is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID<sub>50</sub> provides a measure of the titer (or infectivity) of a virus preparation.

<sup>2</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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10 JUN 2026

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