



## Certificate of Analysis

Reason for Submission:     Release             Corrected             Amended

LOT NUMBER:

PRODUCT NAME: Recombinant HSV-2 gG2c

DESCRIPTION: HSV-2 gG specific and unique sequences (amino acids Leu<sup>343</sup> – Asp<sup>649</sup>), not present in HSV-1, fused with human superoxide dismutase (SOD) expressed in *Saccharomyces cerevisiae*. The recombinant protein reacts to anti-human SOD and anti-HSV-2 gG antibodies.

STORAGE: Supplied frozen and should be stored at –70°C or below. Aliquots should be dispensed to avoid multiple freeze thaws.

PACKAGING: Supplied in cryovials or other suitable container. Vials are filled to contain the exact amount of protein stated on the label. Losses will occur when aliquoting.

DATE OF MFG:

EXPIRY DATE: Greater than one year from date of receipt

### I. BULK PRODUCT ANALYSIS

|     | Attribute                       | Specification   | Result |
|-----|---------------------------------|---|--------|
| 1.  | <b>Physical Characteristics</b> |   |        |
| 1.1 | Appearance                      | Colorless to opalescent solution  |        |
| 1.2 | Formulation                     | 0-1 M NaCl, 0.05 M Tris, 0.005 M DTT, 0.001 M EDTA, <0.1% n-octyl-β-D-glucopyranoside |        |
| 1.3 | pH                              | 7.0 to 9.0  |        |

|     | <b>Attribute</b>                         | <b>Specification</b>  | <b>Result</b> |
|-----|--|---|---------------|
| 2   | <b>Identity / Purity</b>                 |   |               |
| 2.1 | Molecular Weight by SDS-PAGE             | Major band or doublet migrating between 97 kDa and 66 kDa standards (~80 kDa). Comparable to reference lot.   |               |
| 2.2 | Immunospecificity by Western Blot        | Major band at ~80 kDa required. Minor band smaller than 30 kDa standard allowed. Comparable to reference lot. |               |
| 3   | <b>Potency</b>                           |   |               |
| 3.1 | Protein Concentration by Coomassie® Plus | Greater than or equal to 1 mg/ml ± 20%  |               |

Comments: All tests reported as pass

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Production Manager or Scientific Director

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Date

**NOT A FINISHED PRODUCT  
INTENDED FOR FURTHER MANUFACTURING PROCESSING ONLY**

**BIOHAZARD INFORMATION  
No physical or health hazards under OSHA definitions (NOT HAZARDOUS)**