

Genomic DNA from Cowpox Virus, Brighton Red

Catalog No. NR-2641

Product Description: Genomic DNA was isolated from a preparation of cell lysate and supernatant from African green monkey (MA-104 Clone 1) cells¹ infected with cowpox virus, Brighton Red.²

Lot: 5075337

Manufacturing Date: 25FEB2006

TEST	SPECIFICATIONS	RESULTS
PCR Amplification of Genus-Specific Sequence³	<i>Orthopoxvirus</i>	<i>Orthopoxvirus</i>
Quantitative PCR⁴ Copies per vial Concentration	Report results Report results	~ 6.6 X 10 ⁷ ~ 6.6 X 10 ⁷ copies per 100 µL
Functional Activity by PCR Amplification³	~ 2600 bp amplicon	~ 2600 bp amplicon (See Figure 1)
Total DNA Content by PicoGreen® Measurement (Viral and Cellular)	Report results	5.3 ng per 100 µL
Virus Inactivation 10% of total yield inoculated on VERO C1008 (E6) cells ⁵ and evaluated for cytopathic effect; limit of detection is 0.004 plaque-forming units per vial	No viable virus detected	No viable virus detected
Sodium Azide Content	Report results	0.00014%

¹MA-104 Clone 1 cells: ATCC® CRL-2378.1™.

²Vaccinia Virus, Cowpox Virus, Brighton Red: BEI Resources NR-88.

³Using TITANIUM™ Taq PCR Kit (Clontech 639210).

⁴NR-2641 is not intended for use as a standard for quantitative PCR.

⁵VERO C1008 (E6) cells: ATCC® CRL-1586™; 7 days 37°C and 5% CO₂ with media overlay.

Date: 02 MAY 2006

Signature: Signature on File

Title: Technical Manager, BEI Authentication

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