

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

Lot²: 61712470

Manufacturing Date: 14MAY2013

TEST	SPECIFICATIONS	RESULTS
Sequencing of Cowpox Virus Specific Region B9R gene (912 bp)	Consistent with cowpox virus, Brighton Red	99% identity with cowpox virus, Brighton Red (GenBank: AF482758)
Total RNA Content by PicoGreen[®] Measurement (Viral, Cellular and Carrier)	Report results	45 ng per 100 µL
Functional Activity by RT-PCR Amplification³ B9R gene	~ 1005 bp amplicon	~ 1005 bp amplicon (Figure 1)
Virus Inactivation 10% of total yield incubated on VERO C1008 (E6) cells ¹ and evaluated by hemagglutination assay ^{4,5}	No virus detected	No virus detected

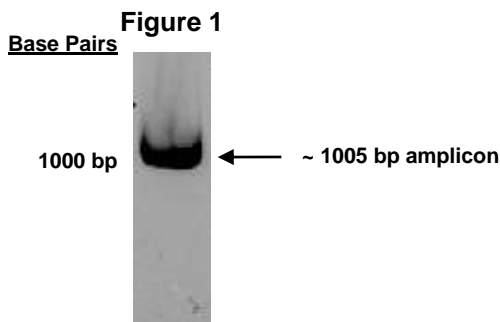
¹MA-104 Clone 1 cells: ATCC[®] CRL-2378.1[™].

²Nucleic acid was extracted from a preparation of Cowpox Virus, Brighton Red (BEI Resources NR-88, lot 3694113) using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Amplified using iTaq[™] DNA Polymerase (BioRad 170-8870) with 5 µL of NR-2641 in a 50 µL reaction

⁴VERO C1008 (E6) cells: ATCC[®] CRL-1586[™]; 7 days 37°C and 5% CO₂ with media overlay

⁵This extraction procedure has been demonstrated to consistently inactivate 100% of orthopoxviruses.



Date: 22 JAN 2014

Signature: *Michael R. Gynther*

Title: Technical Manager, BEI Authentication or designee

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