Cowpox Virus, Brighton Red

Catalog No. NR-88
(Derived from ATCC® VR-302™)

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Contributor:
ATCC®

Product Description:

Virus Classification: Poxviridae, Orthopoxvirus
Agent: Cowpox virus (CPV)
Strain/Isolate: Brighton Red
Original Source: Finger lesion of cowman on a farm near Brighton, England in September, 1937

Comments: CPV, Brighton Red was deposited at ATCC® in 1964 by Professor Allan W. Downie, Chair of Bacteriology, The University of Liverpool, England. The original isolate had been passed multiple times in guinea pigs and rabbits. The complete genomic sequence of the CPV, Brighton Red has been determined (GenBank: NC_003663).

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from African green monkey kidney (BS-C-1) cells infected with CPV, Brighton Red.

Packaging/Storage:
NR-88 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:
Host: BS-C-1 cells (ATCC® CCL-26™; also available as BEI Resources NR-525)
Growth Medium: Eagle's Minimum Essential Medium supplemented with 2% fetal bovine serum, or equivalent (lot-specific details are on the Certificate of Analysis)
Infection: Cells should be 80 to 90% confluent (not 100% confluent)
Incubation: 3 to 5 days at 37°C and 5% CO₂
Cytopathic Effect: Cell rounding and cell lysis

Citation:
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Cowpox Virus, Brighton Red, NR-88.”

Biosafety Level: 2

This publication recommends that all persons working in or entering laboratory or animal care areas where activities with cowpox virus are being conducted should have documented evidence of satisfactory vaccination within the preceding ten years.

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References:
2. Downie, A. W. “The Immunological Relationship of the


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