Raccoonpox virus
VR-838™

Description
Strain designation: Herman
Deposited As: Raccoonpox virus, Orthopoxvirus

Storage Conditions
Product format: Frozen
Storage conditions: -70°C or colder

Intended Use
This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 2
ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of Biosafety in Microbiological and Biomedical Laboratories (BMBL), U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization’s policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and
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will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid
nitrogen back to its gas phase may result in the vial exploding or blowing off its cap
with dangerous force creating flying debris. Unless necessary, ATCC recommends
that these cultures be stored in the vapor phase of liquid nitrogen rather than
submersed in liquid nitrogen.

Certificate of Analysis
For batch-specific test results, refer to the applicable certificate of analysis that can
be found at www.atcc.org.

Growth Conditions
Host: Vero (ATCC CCL-81)
Host Range: Vero cells (ATCC CCL-81); LLC-MK2 cells (ATCC CCL-7); CAM; suckling
mouse
Effects: CPE; paralysis; plaque formation; pock lesions on chorioallantoic membrane;
syncytia
Temperature: 35.5°C
Incubation: 3-4 days

Handling Procedures
Mycoplasma contamination: Not detected

Notes
Does not grow well on CAM after 2 to 3 passages. Cross-reacts with Connaught strain
on vaccinia virus. Racoons inoculated with raccoon pox virus show no apparent clinical symptoms, however, their sera demonstrate strong HAI reactions.

**Key Abbreviations:** Arch., archives; CAM, Chorioallantoic membrane; CPE, Cytopathic effect; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; HAI, Hemagglutination inhibition; LLC-MK2, Rhesus monkey kidney cells; EMEM, Eagle's Minimum Essential Medium; mL, Milliliter; Pen, Penicillin; PFU, Plaque forming units; SM, Suckling mouse; Strep, Streptomycin; TC, Tissue culture; TCID[50], Median tissue culture infective dose; Vero, African green monkey kidney cells; Virol., Virology

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**Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: Raccoonpox virus (ATCC VR-838)

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**References**

References and other information relating to this material are available at www.atcc.org.

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