



# Vaccinia virus

VR-2153™

Product Sheet

## Description

Vaccinia virus strain vTF7-3 [Wr] is propagated in BS-C-1 cells (ATCC CCL-26). This strain was constructed in vitro by transfecting vaccinia virus-infected cells with pTF703 cells (ATCC 67202) and was deposited by the National Institutes of Health. It expresses bacteriophage T[7] RNA polymerase.

This product requires a VS 16-6A permit, which can be downloaded at the [USDA website here](#). Please submit the completed permit form to [SalesPermits@atcc.org](mailto:SalesPermits@atcc.org) with your ATCC sales order number and/or your purchase number noted in the subject line and body of the email.

**Strain designation:** vTF7-3 [Wr]

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**Patent number:**

5,550,035

**Technical information:** ATCC Product Experience does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -70°C or colder

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## 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.

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## 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 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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

**Host:** BS-C-1 (ATCC CCL-26)

Host Range: BSC-1, CV-1, HeLa, MRC-5BS-C-1 cells (ATCC CCL-26); CV-1 cells (ATCC CCL-70); HeLa cells (ATCC CCL-2); MRC-5 cells (ATCC CCL-171)

**Effects:** cell death; cell rounding; CPE; plaque formation; stringing

**Temperature:** 37°C

**Incubation:** 2 - 3 days

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## Handling Procedures

**Mycoplasma contamination:** Not detected

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## Notes

Expresses bacteriophage T(7) RNA polymerase.

**Key Abbreviations:** BS-C-1, African green monkey kidney cells; CPE, Cytopathic effect; CV-1, African green monkey kidney cells; FBS, Fetal bovine serum; HeLa, Human cervical carcinoma cells; MRC-5, Human embryonic lung cells; NIH, National Institutes of Health

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Vaccinia virus (ATCC VR-2153)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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