



# Vaccinia virus ts mutant

VR-3119™

## Description

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:** IHD-W Dts47 (Dales isolate 6828)

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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.

Vaccination recommended by the current edition of Biosafety in Microbiological and Biomedical Laboratories, Centers for Disease Control and Prevention (CDC) and the National Institutes of Health (NIH)

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:** BSC40 [BSC-40] (ATCC CRL-2761)

**Effects:** cell enlargement; cell rounding; cell sloughing; CPE; plaque formation

**Complete medium:**

EMEM (ATCC® 30-2003™) + 2% FBS(ATCC® 30-2021™)

**Temperature:** 31°C

**Atmosphere:** 95% Air, 5% CO<sub>2</sub>

**Recommendations for infection:** For best results cells should be 24 to 48 hours old and 80% - 90% confluent (not 100% confluent) for inoculation.

**Incubation:** 1-3 days

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## Handling Procedures

**Mycoplasma contamination:** Not detected

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## Notes

Non-permissive incubation temperature is 39.5°C. This mutant was assigned a Dales EM category of P. It is assigned the Condit map location U12. Originally designated Dales isolate #6828.

**Key Abbreviations:** BSC-40 cells, African green monkey kidney cells; CPE, Cytopathic effect; EMEM, Eagle's Minimum Essential Medium; ts, Temperature sensitive; TCID<sub>50</sub>, Median tissue culture infective dose

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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 ts mutant (ATCC VR-3119)

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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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