



# Lymphocystis disease virus

VR-1817™

Product Sheet

## Description

**Strain designation:** Leetown NFH

**Deposited As:** Lymphocystis

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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:** BF-2 (ATCC CCL-91)

**Effects:** cell enlargement; cell rounding; CPE

**Complete medium:**

EMEM (ATCC® 30-2003™) + 5% FBS (ATCC® 30-2020™)

**Temperature:** 25°C

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

**Recommendations for infection:** For best results, infection should be performed on a 60-80% confluent, 18-48 hour old cellular monolayer. Prepare dilution of virus in minimum amount of volume (e.g. 1 mL per 25 cm<sup>2</sup>). Wash monolayer with PBS or serum free medium prior to inoculation. Adsorb virus dilution for 1-2 hours at 25°C in a humidified 5% CO<sub>2</sub> atmosphere, rocking every 20-30 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

**Incubation:** 17-34 days at 25°C in a humidified 5% CO<sub>2</sub> atmosphere, until CPE is progressed through 80% of the monolayer. Media changes may be necessary.

## Notes

ATCC® VR-342™ was depositor material produced in Bluegill. ATCC® VR-1817™ was created by serially passaging ATCC® VR-342™ four times onto BF-2 (ATCC® CCL-91™) cells.

Ethersensitive; not stable in 50% glycerol at 4°C; infectivity maintained in lesion tissue or lesion homogenate at -20°C or lower. Infectivity readily maintained in desiccated or lyophilized lesion homogenates held at 4°C.

Size: 200 + or 20 nm; shape: icosahedron.

**Key Abbreviations:** °C, Degrees Celsius; CCL-91, BF-2 Caudal Trunk Bluegill cells; CO<sub>2</sub>, Carbon dioxide; CPE, Cytopathic effect; D-PBS, Dulbecco's Phosphate-buffered saline; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; MOI, Multiplicity of infection; PBS, Phosphate-buffered saline; TC, Tissue culture

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Lymphocystis disease virus (ATCC VR-1817)

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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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While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

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