



Piscirickettsia salmonis Fryer et al.

BAA-3383™

Description

This product is an ATCC manufactured and accessioned progeny of VR-1361.

Strain designation: LF-89

Deposited As: ATCC accessioned progeny of *Piscirickettsia salmonis* strain LF-89 cited as VR-1361.

Type strain: Yes

Storage Conditions

Product format: Frozen

Storage conditions: -80°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 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: ASK [Atlantic Salmon Kidney] ([ATCC CRL-2747](#))

Complete medium: Leibovitz's L-15 medium (ATCC 30-2008) + 20% fetal bovine serum (ATCC 30-2021)

Temperature: 20°C

Atmosphere: Aerobic

Recommendations for infection:

1. Prepare two small to medium sized tissue culture flasks containing L-15 medium + 20% FBS. (Volume of media will depend on flask size. The growth surface should be submerged, but the flask must not overflow when laid flat. A 75 cm² flask should contain approximately 40 mL of media.)
2. Thaw a vial of ASK cells (ATCC CRL-2747) and add half to each flask. Incubate at 20°C for 1-2 weeks.
3. Once the host cells have grown into a monolayer, thaw a vial of *Piscirickettsia*

salmonis (ATCC BAA-3383) and add it to one of the flasks. (The other flask serves as a reserve of uninfected host cells). Incubate at 20°C for 3-4 weeks.

4. *Piscirickettsia salmonis* (ATCC BAA-3383) will produce light turbidity in the medium as it grows, but no macroscopic cytopathic effect on the host cell monolayer. Microscopic examination shows intracellular and extracellular cocci.
5. To transfer, remove most of the media from the uninfected host cell reserve flask. Scrape the host cells off the surface, gently suspend in the remaining media, and divide among the new flasks to be grown. Add fresh L-15 + 20% FBS and incubate at 20°C. In 1-2 weeks, the flasks will be ready for infection with *Piscirickettsia salmonis* (ATCC BAA-3383). It is advisable to keep one flask as an uninfected host reserve.

Incubation: 3-4 weeks

Notes

Key Abbreviations: °C, Degrees Celsius; ASK, Atlantic salmon kidney; CPE, Cytopathic effect; mL, Milliliter

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Piscirickettsia salmonis* Fryer et al. (ATCC BAA-3383)

References

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

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