

***Epilithonimonas vandammei*, Strain F5649**

Catalog No. NR-51495

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Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Weeksellaceae*; *Epilithonimonas*

Species: *Epilithonimonas vandammei*

Strain: F5649

Original Source: *Epilithonimonas vandammei* (*E. vandammei*), strain F5649 was isolated in 1984 from the testicle of a human in Iowa, USA.¹

Comments: *E. vandammei*, strain F5649 was deposited to BEI Resources as the type strain of the species.^{1,2} The complete genome of *E. vandammei*, strain F5649 has been sequenced (GenBank: [CP034161](#)).^{1,2}

Epilithonimonas are Gram-negative, aerobic, non-motile, non-spore forming bacilli which have been isolated from environmental samples, such as soil, water and plants.^{3,4}

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in Tryptic Soy broth supplemented with 10% glycerol.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

NR-51495 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

Media:

Tryptic Soy broth or Nutrient broth or equivalent

Tryptic Soy agar or Nutrient agar or equivalent

Incubation:

Temperature: 35°C

Atmosphere: Aerobic

Propagation:

1. Keep vial frozen until ready for use, then thaw.
2. Transfer the entire thawed aliquot into a single tube of broth.

3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate the tube, slant and/or plate at 35°C for 1 to 2 days.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Epilithonimonas vandammei*, Strain F5649, NR-51495."

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Nicholson, A. C., Personal Communication.
2. Nicholson, A. C., et al. "Division of the genus *Chryseobacterium*: Observation of Discontinuities in Amino Acid Identity Values, a Possible Consequence of Major Extinction Events, Guides Transfer of Nine Species to the Genus *Epilithonimonas*, Eleven Species to the Genus *Kaistella*, and Three Species to the Genus *Halpernia* gen. nov., with Description of *Kaistella daneshvariae* sp. nov. and *Epilithonimonas vandammei* sp. nov. Derived from Clinical Specimens." Int. J. Syst. Evol. Microbiol. 70 (2020): 4432-4450. PubMed: 32735208.
3. O'Sullivan, L. A., et al. "Culturable Phylogenetic Diversity of the phylum '*Bacteroidetes*' from River Epilithon and Coastal Water and Description of Novel Members of the Family *Flavobacteriaceae*: *Epilithonimonas tenax* gen. nov., sp. nov. and *Persicivirga xylanidelens* gen. nov., sp. nov." Int. J. Syst. Evol. Microbiol. 56 (2006): 169-180. PubMed: 16403883.
4. Ge, L., et al. "*Epilithonimonas psychrotolerans* sp. nov., Isolated from Alpine Permafrost." Int. J. Syst. Evol. Microbiol. 65 (2015): 3777-3781. PubMed: 26233482.

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