

Erysipelotrichaceae sp., Strain 6_1_45

Catalog No. HM-180

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Erysipelotrichales*,

Erysipelotrichaceae

Species: not classified

Strain: 6_1_45

Original Source: *Erysipelotrichaceae* sp., strain 6_1_45 was isolated in 2007 from healthy biopsy tissue taken from the gastrointestinal tract of a 48-year-old male patient with remittent Crohn's disease in Calgary, Alberta, Canada.^{1,2}

Comments: *Erysipelotrichaceae* sp., strain 6_1_45 ([HMP ID 0981](#)) is a reference genome for [The Human Microbiome Project](#) (HMP). HMP is an initiative to identify and characterize human microbial flora. The complete genome of *Erysipelotrichaceae* sp., strain 6_1_45 was sequenced at the [Broad Institute](#) (GenBank: [ACTK00000000](#)).

Note: HMP material is taxonomically classified by the depositor. Quality control of these materials is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material.

Erysipelotrichaceae species are Gram-positive, facultatively anaerobic, non-motile, non-spore-forming, rod-shaped bacteria commonly found in human feces. Some strains are pathogenic for birds and mammals.³

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Modified Chopped Meat Medium supplemented with 10% glycerol.

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

Packaging/Storage:

HM-180 was packaged aseptically, in screw-capped plastic 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:

Modified Chopped Meat Medium (ATCC medium 1490) or

equivalent

Tryptic Soy Agar with 5% sheep blood or equivalent

Incubation:

Temperature: 25°C to 30°C is recommended³ for optimal growth, however, *Erysipelotrichaceae* sp. will grow at 37°C.

Atmosphere: Anaerobic (80% N₂:10% CO₂:10% H₂)

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 25°C to 30°C for 24 hours.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Erysipelotrichaceae* sp., Strain 6_1_45, HM-180."

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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. E. Allen-Vercoe, Personal Communication.
2. [HMP ID 0981](#) (*Erysipelotrichaceae* sp., strain 6_1_45)
3. Verborg, S., et al. "*Erysipelothrix inopinata* sp. nov., Isolated in the Course of Sterile Filtration of Vegetable Peptone Broth, and Description of *Erysipelotrichaceae* fam. nov." *Int. J. Syst. Evol. Microbiol.* 54 (2004): 221-225. PubMed: 14742484.

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