**Eubacterium** sp., Strain 3_1_31

**Catalog No. HM-178**

For research use only. Not for human use.

**Contributor:**
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**Manufacturer:**
BEI Resources

**Product Description:**

**Bacteria Classification:** *Eubacteriaceae, Eubacterium*

**Species:** *Eubacterium* sp.

**Strain:** 3_1_31

**Original Source:** *Eubacterium* sp., strain 3_1_31 was isolated from inflamed biopsy tissue taken from the ascending colon of a 25-year-old female patient with Crohn’s disease in Calgary, Alberta, Canada, in 2007.

**Comments:** *Eubacterium* sp., strain 3_1_31 (HMP ID 0984) 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 *Eubacterium* sp., strain 3_1_31 is currently being sequenced at the Broad Institute (GenBank: ACTL00000000). 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.

**Eubacterium** species are anaerobic, non-spore-forming, Gram-positive, rod-shaped bacteria commonly found in the oropharynx and gastrointestinal flora of animals and humans. They are also found in plant and animal products, in infections of soft tissue, and in soil and water. Some *Eubacterium* species are opportunistic pathogens, especially in patients with periodontal disease and other oral infections.

**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-178 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:**
- Modified Chopped Meat Medium (ATCC medium 1490) or equivalent
- Tryptic Soy Agar with 5% defibrinated sheep blood or equivalent

**Incubation:**
- Temperature: 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 37°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: *Eubacterium* sp., Strain 3_1_31, HM-178.”

**Biosafety Level:** 2


**Disclaimers:**

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References:
1. Professor Emma Allen-Vercoe, personal communication
2. HMP ID 0984 (Eubacterium sp., strain 3_1_31)

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