**Bacteroides sp., Strain 9_1_42FAA**

**Catalog No. HM-27**

For research use only. Not for human use.

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

**Product Description:**

**Bacteroides sp.** is a genus of anaerobic Gram-negative rods. They are non-motile, mesophilic, and resistant to acid and bile. These organisms maintain a complex and usually beneficial host relationship when retained in the gut, but when they escape this environment they can cause significant pathology, including bacteremia and abscess formation in multiple body sites.

**Comments:**

- Bacteroides species are considered anaerobes. They require an environment with low oxygen levels to grow. These bacteria maintain a complex and usually beneficial host relationship when retained in the gut, but when they escape this environment they can cause significant pathology, including bacteremia and abscess formation in multiple body sites.

**Material Provided:**

- Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Modified Reinforced Clostridial broth supplemented with 10% glycerol.

**Packaging/Storage:**

- HM-27 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 Reinforced Clostridial broth, Modified Chopped Meat Medium or equivalent
  - Tryptic Soy agar with 5% sheep blood or equivalent

- **Incubation:**
  - Temperature: 37°C
  - Atmosphere: Anaerobic (90% N₂:5% CO₂:5% 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 48 hours.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: Bacteroides sp., Strain 9_1_42FAA, HM-27."

**Biosafety Level:** 2


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References:
1. E. Allen-Vercoe, Personal Communication.
2. HMP ID 0133 (Bacteroides sp., strain 9_1_42FAA)

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