Campylobacter upsaliensis, Strain JV21

Catalog No. HM-297

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: Campylobacteraceae, Campylobacter
Species: Campylobacter upsaliensis
Strain: JV21

Original Source: Campylobacter upsaliensis (C. upsaliensis), strain JV21 was isolated from a human gastrointestinal tract.

Comments: C. upsaliensis, strain JV21 (HMP ID 9400) 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 C. upsaliensis, strain JV21 is currently being sequenced at the Human Genome Sequencing Center at the Baylor College of Medicine (GenBank: AEPU00000000).

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.

C. upsaliensis is a microaerophilic, Gram-negative, nonsporulating, motile, spiral-shaped rod that resides in the gastrointestinal tract of healthy or sick cats and dogs, as well as humans with diarrheal disease. It is known that C. upsaliensis is sensitive to antibiotic combinations routinely used in Campylobacter selective media. C. upsaliensis is a human pathogen causing enteritis and bacteremia in normal hosts and opportunistic infection in immunocompromised patients.

Material Provided:
Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Brucella Broth supplemented with 10% glycerol.

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

Packaging/Storage:
HM-297 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: Brucella Broth or equivalent
Tryptic Soy Agar with 5% defibrinated sheep blood or equivalent
Incubation:
Temperature: 37°C
Atmosphere: Microaerophilic (~ 80% N₂, 7.5% H₂, 7.5% CO₂ and 5% O₂)

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 to 72 hours.

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: Campylobacter upsaliensis, Strain JV21, HM-297."

Biosafety Level: 2


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References:
1. HMP ID 9400 (Campylobacter upsaliensis, strain JV21)

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