Campylobacter upsaliensis, Strain JV21

Catalog No. HM-297

For research use only. Not for use in humans.

Contributor:
James Versalovic, M.D., Ph.D., Department of Pathology, Baylor College of Medicine, Houston, Texas, USA

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.1
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 was sequenced 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.2,3 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.2

Material Provided:
Each vial contains approximately 0.5 mL of bacterial culture in 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

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 2 to 3 days.

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

Disclaimers:
You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:
This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or
its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

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

ATCC® is a trademark of the American Type Culture Collection.