

***Campylobacter upsaliensis*, Strain JV21**

Catalog No. HM-297

For research use only. Not for use in humans.

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.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

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](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbli5/index.htm.

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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)
2. Bourke, B., V. L. Chan and P. Sherman. "Campylobacter upsaliensis: Waiting in the Wings." Clin. Microbiol. Rev. 11 (1998): 440-449. PubMed: 9665977.
3. Labarca, J. A., et al. "Campylobacter upsaliensis: Another Pathogen for Consideration in the United States." Clin. Infect. Dis. 34 (2002): e59-e60. PubMed: 12015708.
4. Sandstedt, K. and J. Ursing. "Description of *Campylobacter upsaliensis* sp. nov. Previously Known as the CNW Group." Syst. Appl. Microbiol. 14 (1991): 39-45.

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