Streptococcus vestibularis, Strain F0396

Catalog No. HM-561

For research use only. Not for human use.

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Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: *Streptococcaceae, Streptococcus*
Species: *Streptococcus vestibularis*
Strain: F0396
Original Source: *Streptococcus vestibularis* (*S. vestibularis*), strain F0396 was isolated in 2007 from dental plaque on a molar tooth of a 3-year-old male with caries in the United States.[1,2]
Comments: *S. vestibularis*, strain F0396 (HMP ID 9192) 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 *S. vestibularis*, strain F0396 was sequenced at the J. Craig Venter Institute (GenBank: AEKO00000000).
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.

S. vestibularis is a non-sporulating, Gram-positive coccus found in normal human oral microflora. Along with several members of the viridans streptococci, *S. vestibularis* has been accepted as an important nosocomial pathogen and in rare cases known to cause serious human infections.[3-7]

Material Provided:
Each vial contains approximately 0.5 mL of bacterial culture in Brain Heart Infusion broth supplemented with 10% glycerol.

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

Packaging/Storage:
HM-561 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:
Brain Heart Infusion broth or Tryptic Soy broth or equivalent
Brain Heart Infusion agar or Tryptic Soy agar with 5% defibrinated sheep blood or equivalent

Incubation:
Temperature: 37°C
Atmosphere: Aerobic with 5% CO_2
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 1 day.

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Streptococcus vestibularis*, Strain F0396, HM-561."

Biosafety Level: 1
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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see http://www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Izard, J., Personal Communication.
2. HMP ID 9192 (*Streptococcus vestibularis*, strain F0396)
3. Whiley, R. A. and J. M. Hardie. "*Streptococcus vestibularis* sp. nov. from the Human Oral Cavity." Inter. J. Syst. Bacteriol. 38 (1988): 335-339. PubMed: 21817122.
4. Tufan, M. A., et al. "Spondylodiscitis and Endocarditis Caused by *S. vestibularis*." Braz. J. Infect. Dis. 14 (2010): 377-379. PubMed: 20963324.
5. Doyuk, E., O. J. Ormerod and I. C. J. W. Bowler. "Native Valve Endocarditis due to *Streptococcus vestibularis* and *Streptococcus oralis*." J. Infect. 45 (2002): 39-41. PubMed: 12217730.
6. Partridge, S. M. "Prosthetic Valve Endocarditis due to *Streptococcus vestibularis*." J. Infect. 41 (2000): 284-285. PubMed: 11120623.
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8. Dewhirst, F. E., et al. "The Human Oral Microbiome." J. Bacteriol. 192 (2010): 5002-5017. PubMed: 20656903.

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