Staphylococcus hominis, Strain C80

Catalog No. HM-247

For research use only. Not for human use.

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Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: *Staphylococcaceae, Staphylococcus*
Species: *Staphylococcus hominis*
Subspecies: *hominis*
Strain: C80
Original Source: *Staphylococcus hominis* (*S. hominis*), strain C80 was isolated from expectorated sputum from a 31-year-old male patient with cystic fibrosis in 2006.[1,2]
Comments: *S. hominis*, strain C80 (HMP ID 0798) 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. hominis,* strain C80 is currently being sequenced at the Broad Institute (GenBank: ACRM00000000).
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. hominis is a facultatively aerobic, Gram-positive, mesophilic, non-motile coccus found on normal human skin. It is an opportunistic pathogen in immunocompromised patients.[3,4]

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

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

Packaging/Storage:
HM-247 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:
Nutrient Broth or equivalent
Nutrient Agar or equivalent
Incubation:
Temperature: 37°C
Atmosphere: Aerobic
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 24 hours.

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Staphylococcus hominis*, Strain C80, HM-247."

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. 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. Professor Michael G. Surette, personal communication
2. HMP 0798 (*S. hominis,* strain C80)
3. Kloos, W. E. and K. H. Schleifer. "Isolation and Characterization of Staphylococci from Human Skin. II. Descriptions of Four New Species: *Staphylococcus warneri*, *Staphylococcus capitis*, *Staphylococcus hominis*, and *Staphylococcus simulans*." Int. J. Syst. Bacteriol. 25 (1975): 62-79.
4. Sibley, C. D., et al. "Discerning the Complexity of Community Interactions Using a Drosophila Model of Polymicrobial Infections." PLoS Pathog. 4 (2008): e1000184. PubMed: 18949036.

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