

# Product Information Sheet for HM-1164

## ***Staphylococcus haemolyticus*, Strain DNF00585**

### **Catalog No. HM-1164**

**For research use only. Not for use in humans.**

#### **Contributor:**

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#### **Manufacturer:**

BEI Resources

#### **Product Description:**

Bacteria Classification: *Staphylococcaceae*, *Staphylococcus*

Species: *Staphylococcus haemolyticus*

Strain: DNF00585

Original Source: *Staphylococcus haemolyticus* (*S. haemolyticus*), strain DNF00585 was isolated in 2011 from vaginal fluid collected from a woman who tested positive for bacterial vaginosis in the United States.<sup>1,2</sup>

Comments: *S. haemolyticus*, strain DNF00585 ([HMP ID 2135](#)) 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. haemolyticus*, strain DNF00585 was sequenced at the [J. Craig Venter Institute](#) (GenBank: [JRNK000000000](#)).

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. haemolyticus* is a Gram-positive, facultative anaerobe, non-motile, non-sporulating bacterium that normally colonizes human skin and nostrils.<sup>3,4</sup> It is the most common source of infection on indwelling medical devices, particularly catheters, and is now seen as an important opportunistic pathogen.<sup>4</sup>

#### **Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in Tryptic Soy broth supplemented with 10% glycerol.

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

#### **Packaging/Storage:**

HM-1164 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:

Tryptic Soy broth or Brain Heart Infusion broth or equivalent  
Tryptic Soy agar with 5% defibrinated sheep blood or Brain Heart Infusion 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 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: *Staphylococcus haemolyticus*, Strain DNF00585, HM-1164."

#### **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/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

#### **Disclaimers:**

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**References:**

1. Fredricks, D. N., Personal Communication.
2. [HMP ID 2135](#) (*Staphylococcus haemolyticus*, strain DNF00585)
3. Becker, K., C. Heilmann and G. Peters. "Coagulase-Negative Staphylococci." *Clin. Microbiol. Rev.* 27 (2014): 870-926. PubMed: 25278577.
4. Takeuchi, F., et al. "Whole-Genome Sequencing of *Staphylococcus haemolyticus* Uncovers the Extreme Plasticity of its Genome and the Evolution of Human-Colonizing Staphylococcal Species." *J. Bacteriol.* 187 (2005): 7292-7308. PubMed: 16237012.

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