

# Product Information Sheet for HM-141

## *Staphylococcus lugdunensis*, Strain M23590

Catalog No. HM-141

**For research use only. Not for human use.**

### Contributor:

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### Manufacturer:

BEI Resources

### Product Description:

Bacteria Classification: *Staphylococcaceae*, *Staphylococcus*

Species: *Staphylococcus lugdunensis*

Strain: M23590

Original Source: *Staphylococcus lugdunensis* (*S. lugdunensis*), strain M23590 was isolated from human skin.<sup>1</sup>

Comments: HM-141 was deposited as *Staphylococcus epidermidis*. Characterization of the deposited material by sequencing, riboprinter and biochemical analyses identified the isolate as *S. lugdunensis*. *S. lugdunensis*, strain M23590 is a reference genome for [The Human Microbiome Project](#) (HMP). HMP is an initiative to identify and characterize human microbial flora. The whole genome shotgun sequence of *S. lugdunensis*, strain M23590 is currently available (GenBank: [AEQA00000000](#)).

*S. lugdunensis* is a Gram-positive, catalase-positive, cluster-forming coccus that normally colonizes human skin. It is an unusually virulent, coagulase-negative staphylococcus (CoNS)<sup>2</sup> that can cause serious infections, with clinical characteristics that resemble those of *Staphylococcus aureus*.

### Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X 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-141 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 equivalent

Tryptic Soy Agar with 5% sheep blood 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 tubes and 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 lugdunensis*, Strain M23590, HM-141."

### 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, 2007; see [www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm).

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#### References:

1. [HMP 0790](#) (*Staphylococcus lugdunensis*, strain M23590)
2. Tse, H., et al. "Complete Genome Sequence of *Staphylococcus lugdunensis* Strain HKU09-01." *J. Bacteriol.* 192 (2010): 1471-1472. PubMed: 20047907.

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