

## Streptococcus cristatus, Strain F0329

### Catalog No. HM-163

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

#### Contributor:

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#### Manufacturer:

BEI Resources

#### Product Description:

Bacteria Classification: Streptococcaceae, Streptococcus

Species: Streptococcus cristatus (also referred to as Streptococcus crista)<sup>1,2</sup>

Strain: F0329

Original Source: Streptococcus cristatus (S. cristatus), strain F0329 was isolated from a human oral sample.<sup>1,2</sup>

Comments: S. cristatus, strain F0329 (HMP ID 9359) 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. cristatus, strain F0329 was sequenced at the J. Craig Venter Institute (GenBank: VKGS000000000).

S. cristatus is a non-motile, alpha-hemolytic, Gram-positive coccus normally found in the human mouth and throat.<sup>1</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-163 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 equivalent

Tryptic Soy agar with 5% sheep blood or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Aerobic with 5% CO<sub>2</sub>

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 cristatus, Strain F0329, HM-163."

#### 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).

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#### References:

1. Handley, P., et al. "Streptococcus crista sp. nov., a Viridans Streptococcus with Tufted Fibrils, Isolated from the Human Oral Cavity and Throat." *Int. J. Syst. Bacteriol.* 41 (1991): 543-547. PubMed: 1742199.
2. [HMP 9359](http://www.beiresources.org) (Streptococcus cristatus, strain F0329)

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