**Description**

**Designation:** CS1  
**Deposited Name:** Cat spiral 1  
**Product Description:** Type strain

**Propagation**

**Medium**  
ATCC® Medium 260: Trypticase soy agar/broth with defibrinated sheep blood

**Growth Conditions**

**Temperature:** 37°C  
**Atmosphere:** Microaerophilic, 3-5% O₂-10% CO₂

**Propagation Procedure**

1. This organism is shipped frozen in dry ice. Just prior to use, thaw vial in water at approximately 37°C. When thawed, a drop of the suspension may be used to do an immediate wet mount to observe the unique morphology of this organism and verify its viability by checking for motility.

2. Aseptically transfer the thawed suspension into a #260 broth tube. This broth can now be used to inoculate an agar slant(s), plate(s), additional broth tube(s), or the preferred biphasic culture.

3. To obtain a biphasic culture, add 0.5 mL of the suspension to a #260 slant. The resulting pool at the bottom of the slant is where the best, most rapid growth will occur.

4. Incubate at 37°C under microaerophilic conditions using an anaerobe jar with an active catalyst and a microaerophilic gas generator pack, or other acceptable method, to obtain microaerophilic conditions. Incubate slant with cap loosen.

This is a slowing organism which requires moist conditions for best growth. Growth on agar takes longer than the biphasic culture. Colonies are flat with some spreading. It is essential to use fresh, moist plates. The cells do not Gram stain well using traditional procedures. For best results, use a basic fuchsin counterstain in place of the safranin.

Once good growth in obtained, transfer or freeze the culture. Adding an equal amount of 20% sterile glycerol to pooled broth from several biphasic slants, followed by freezing in liquid nitrogen or "ultra-low temperature" freezer is recommended.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

**Notes**

**References**

References and other information relating to this product are available online at www.atcc.org.

**Biosafety Level: 1**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

**ATCC Warranty**

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