Designation: 60190  
Deposited Name: Helicobacter pylori (Marshall et al.) Goodwin et al.

Medium
ATCC® Medium 2856: Brucella Agar/Broth w/ 10% FBS  
ATCC® Medium 260: Trypticase soy agar/broth with defibrinated sheep blood

Growth Conditions
Temperature: 37°C  
Atmosphere: Microaerophilic

Propagation Procedure
1. Just prior to use, thaw vial in water for 2-3 minutes at approximately 37°C.  
2. Open thawed vial according to enclosed instructions or visit www.atcc.org for instructions.  
3. Aseptically transfer the entire contents to a 5-6 mL tube of #2856 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary broth tubes.  
4. Use several drops of the primary broth tube to inoculate a #2856 plate and/or #2856 agar slant.  
5. Or, to obtain a biphasic culture, add several drops of the primary broth tube to a #2856 agar slant. Best practice is to incubate these slants at an angle.  
6. Incubate at 37°C under microaerophilic conditions for 3 days. Use an anaerobe jar with an active catalyst and a microaerophilic gas generator pack or other acceptable method. All tubes and slants should be incubated with caps loosened.

Notes
This strain grows more slowly than most other Helicobacter pylori and requires moist conditions for best growth. Growth at the broth/agar interface of the biphasic slant should occur within 3 days, but only slight turbidity will be seen. To observe growth, examine a wet mount of the broth under phase microscopy. 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.

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

Biosafety Level: 2

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.

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Disclaimers
This product is intended for laboratory research purposes only. It is not intended for use in humans.
Product Sheet

Helicobacter pylori (ATCC® 49503™)

Please read this FIRST

Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section

Biosafety Level
2

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Helicobacter pylori (ATCC® 49503™)

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