Designation: VPI 5303 [DSM 1682, X2]  
Deposited Name: Clostridium propionicum Cardon and Barker  
Product Description: Type strain

**Medium**
- ATCC® Medium 2210: Enriched anaerobe medium
- ATCC® Medium 260: Trypticase soy agar/broth with defibrinated sheep blood

**Growth Conditions**
- Temperature: 37°C
- Atmosphere: Anaerobic gas mixture, 80% N₂-20% CO₂

**Propagation Procedure**
1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, withdraw approximately 0.5 to 1.0 mL of #2210 from a single test tube (5 to 6 mL) with a Pasteur or 1.0 mL pipette. Rehydrate the entire pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well. Additional tubes of broth may be inoculated with 0.5 mL each from the suspension and 0.1 mL may be inoculated onto a slant. Streak several blood plates for colony morphology and purity.
4. Incubate the tubes and plate under anaerobic conditions at 37°C for 24 to 72 hours. Incubate the purity plate aerobically at 37°C. Turbid growth is evident in the broth at 24 to 72 hours.

**ANAEROBIC CONDITIONS:**
Anaerobic conditions for transfer may be obtained by either of the following:
- Use of an anaerobic gas chamber, or
- Placement of test tubes under a gassing cannula system hooked to anaerobic gas.

Anaerobic conditions for incubation may be obtained by any of the following:
- Loose screw caps on test tubes in anaerobic chamber,
- Loose screw caps on test tubes in an activated anaerobic gas pack jar, or
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

**Notes**
In 72 hours, growth is evident by turbidity and by colonies on the anaerobic agar surfaces. No growth should occur on agar plate incubated aerobically. On #260 plates, colonies are flat, rhizoid, and translucent. 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: 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.

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