Deposited Name: Leuconostoc mesenteroides (Tsenkovskii) van Tieghem

Product Description: Used in the assay of lysine [L-lysine], cystine, proline, tyrosine, histidine, methionine, dexpanthenol, and phenylalanine.

Medium
ATCC® Medium 416: Lactobacilli MRS Agar/Broth

Growth Conditions
Temperature: 37°C
Atmosphere: 5% CO₂

Propagation Procedure
1. Open vial according to enclosed instructions.
2. Using a single tube of #416 broth (5 to 6 mL), withdraw approximately 0.5 to 1.0 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.
4. Use several drops of the suspension to inoculate a #416 agar slant and/or plate.
5. Incubate the tubes and plate at 37°C in an atmosphere of 5% CO₂ for 24 to 48 hours.

Notes
Growth on agar plates is much slower than broth. Growth is best achieved in broth or on biphasic slants. On #416 plates, colonies are circular, entire, glistening, smooth, and white-pigmented that deepens with age. Older colonies are more convex and opaque.

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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