Designation: NRS 231
Deposited Name: Bacillus subtilis (Ehrenberg) Cohn
Product Description: This item is used in sterility testing and assay of rifampin [rifampicin, rifamycin AMP], neomycin, monensin, kanamycin, lasalocid [X-537A], mitomycin [mitomycin C], vancomycin, novobiocin, penicillin, framyceolin, tobramycin, spiramycin, gentamicin [gentamicin], amoxicillin, bekanamycin [kanamycin B; aminodeoxykanamycin], hygromycin B, streptomycin, erythromycin, dactinomycin [actinomycin; actinomycin D], streptonigrin, lactam antibiotics [beta-lactam antibiotics], capreomycin sulfate [capreomycin], and dihydrostreptomycin sulfate [dihydrostreptomycin]. Susceptibility disc testing of rifampin [rifampicin; rifamycin AMP] and novobiocin. Produces restriction endonuclease Bsu6633I and subtilin.

Medium
ATCC® Medium 44: Brain Heart Infusion Agar/Broth

Growth Conditions
Temperature: 30°C
Atmosphere: Aerobic

Propagation Procedure
1. Open vial according to enclosed instructions.
2. Using a single tube of #44 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 #44 agar slant and/or plate.
5. Incubate the tubes and plate at 30°C for 24 hours.

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

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

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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