Streptococcus pneumoniae, Strain EMC9V

Catalog No. NR-13395

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Contributor:
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Product Description:
Bacteria Classification:  Streptococcaceae, Streptococcus
Species:  Streptococcus pneumoniae
Strain:  EMC9V
Source:  The antibiotic-resistant variant Streptococcus pneumoniae (S. pneumoniae), EMC9V was derived from human wild-type S. pneumoniae, strain 1081748 (isolated from the nasopharynx) by natural selection using increasing concentrations of streptomycin.  S. pneumoniae, EMC9V is reported to be resistant to streptomycin at a concentration of 250 μg per mL.1,2

S. pneumoniae is a Gram-positive, α-hemolytic diplococcal aerotolerant anaerobe that is a major cause of pneumonia, bacterial meningitis and otitis media.  S. pneumoniae has a polysaccharide capsule that acts as a virulence factor for the organism.  There are over ninety different capsular types of S. pneumoniae which differ in virulence, prevalence, and extent of drug resistance.3

Material Provided:
Each vial contains bacterial culture in Todd-Hewitt broth containing 0.5% (w/v) yeast extract and 15% glycerol.

Note:  If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:
NR-13395 was packaged aseptically in cryovials.  The product is provided frozen and should be stored at -80°C or colder immediately upon arrival.  For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended.  Freeze-thaw cycles should be avoided.

Citation:
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Repository, NIAID, NIH:  Streptococcus pneumoniae, Strain EMC9V, NR-13395.”

Biosafety Level:  2


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References:
3. Todar’s Online Textbook of Bacteriology.

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