**Mycoplasma neurolyticum, Strain Type A**

**Catalog No. NR-3864**
This reagent is the property of the U.S. Government.

**Lot (NIAID) Number: M-723-002-084**

For research use only. Not for human use.

**Contributor:**
National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH)

**Manufacturer and Contract:**
Baltimore Biological Laboratory, PH-43-67-1468

**Product Description:**
Reagent: Seed
Classification: Mycoplasmataceae
Species: Mycoplasma neurolyticum (M. neurolyticum)
Type Strain: Type A
NIAID Class: Research Reference Reagent
Donor: Dr. J. Tully, Laboratory of Microbiology, NIH
Donor Passage History (# of passages): 4× cloned
Producer Passage History (# of passages): 4

**Note:** BEI Resources was asked to distribute this bacterial preparation from NIAID’s historical repository. Historical characterization information is shown below in the Functional Activity and Purity sections.

**Material Provided:**
Each vial contains approximately 1.0 mL of M. neurolyticum grown in Complete Mycoplasma broth (Medium CC, see Appendix I for media composition).

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

**Storage:**
NR-3864 was packaged in vials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

**Functional Activity:**
**Potency:**

- **Titer:** 1.7 x 10^6 colony-forming units per mL, in 11 days on medium B (see Appendix I for media composition).
- **Date of Last Test:** 1976

**Purity:**
Homologous Antiserum Testing: Demonstrated inhibition when tested against a specific homologous antiserum. No evidence of heterotypic mycoplasma.

**Heterologous Antiserum Testing:**

- **Separate Disc Inhibition:** Negative when tested against M. arthritidis, M. hyorhinis, and M. iners.
- **Separate Fluorescent Antibody:** Negative when tested against M. primatum, and M. lipophilum.

**Bacterial Sterility:** Negative

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Mycoplasma neurolyticum, Strain Type A, NR-3864.”

**Biosafety Level:** 2


**Disclaimers:**
You are authorized to use this product for research use only. It is not intended for human use.

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References:


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Appendix I: Media²

Complete Mycoplasma broth (Medium CC)

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mycoplasma broth base</td>
<td>9.6%</td>
</tr>
<tr>
<td>Horse serum (unheated)</td>
<td>0.2%</td>
</tr>
<tr>
<td>Yeast extract dialysate</td>
<td>0.2%</td>
</tr>
<tr>
<td>Phenol red</td>
<td>0.002%</td>
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</tbody>
</table>

Medium B

<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Difco™ Heart infusion agar</td>
<td>100 mL</td>
</tr>
<tr>
<td>Horse serum</td>
<td>20 mL</td>
</tr>
<tr>
<td>Yeast extract</td>
<td>10 mL</td>
</tr>
<tr>
<td>Thallium acetate</td>
<td>0.1%</td>
</tr>
<tr>
<td>Penicillin</td>
<td>400 I.U./mL</td>
</tr>
</tbody>
</table>