

**Pseudomonas aeruginosa**, Strain MRSN 1925

**Catalog No. NR-51534**
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**For research use only. Not for human use.**

**Contributor:**
Multidrug-Resistant Organism Repository and Surveillance Network (MRSN), Bacterial Disease Branch, Walter Reed Army Institute of Research, Silver Spring, Maryland, USA

**Manufacturer:**
BEI Resources

**Product Description:**

**Bacteria Classification:** Pseudomonadaceae, Pseudomonas
**Species:** Pseudomonas aeruginosa
**Strain:** MRSN 1925

**Original Source:** Pseudomonas aeruginosa (P. aeruginosa), strain MRSN 1925 was isolated in 2010 from the respiratory tract of a human as part of a surveillance program in the United States.¹

**Comments:** P. aeruginosa, strain MRSN 1925 was deposited as part of the MRSN Pseudomonas aeruginosa Diversity Panel available from BEI Resources as NR-51829. NR-51534 was deposited as multi-locus sequence type (MLST) ST 155, sensitive to piperacillin/tazobactam, ceftazidime, aztreonam, imipenem, meropenem, levofloxacine, gentamicin, tobramycin and ciprofloxacine. Strain MRSN 1925 is available (GenBank: RXVA00000000).

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

**Material Provided:**
Each vial contains approximately 0.5 mL of bacterial culture in Tryptic Soy broth supplemented with 10% glycerol.

**Packaging/Storage:**
NR-51534 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -60°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.

**Growth Conditions:**

**Media:**
Tryptic Soy broth or Brain Heart Infusion broth or Nutrient broth or equivalent
Tryptic Soy agar with 5% defibrinated sheep blood or Brain Heart Infusion agar or Nutrient agar or equivalent

**Incubation:**
Temperature: 37°C
Atmosphere: Aerobic

**Propagation:**
1. Keep vial frozen until ready for use, then thaw.
2. Transfer the entire thawed aliquot into a single tube of broth.
3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate the tube, slant and/or plate at 37°C for 1 day.

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Pseudomonas aeruginosa, Strain MRSN 1925, NR-51534. This strain is part of the Pseudomonas aeruginosa Diversity Panel provided by the Multidrug-Resistant Organism Repository and Surveillance Network (MRSN) at the Walter Reed Army Institute of Research (WRAIR), Silver Spring, MD, USA.”

**Biosafety Level:** 2

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². www.beiresources.org

³. Cancer or HIV. Infections of this type are often highly antibiotic resistant, difficult to eradicate and often lead to death. The ability of P. aeruginosa to survive on minimal nutritional requirements, tolerate a variety of physical conditions and rapidly develop resistance during the course of therapy has allowed it to persist in both community and hospital settings.

⁴. The complete genome of P. aeruginosa, strain MRSN 1925 is available (GenBank: RXVA00000000).

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References:

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