**Klebsiella pneumoniae**, Strain MRSN 614201

Catalog No. NR-55583
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For research use only. Not for use in humans.

**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:** Enterobacteriaceae, Klebsiella

**Species:** Klebsiella pneumoniae

**Strain:** MRSN 614201

**Original Source:** Klebsiella pneumoniae (K. pneumoniae), strain MRSN 614201 was isolated in 2018 from an environmental sample in Africa as part of a global surveillance program.

**Comments:** K. pneumoniae, strain MRSN 614201 was deposited as part of the MRSN Klebsiella pneumoniae Diversity Panel available from BEI Resources as NR-55604. NR-55583 was deposited as multi-locus sequence type (MLST) ST 1838, K-locus type (KL) 14, O-locus type (OL) O3b and VIR score 0. MRSN 614201 was deposited as a multidrug-resistant (MDR) strain, sensitive to amikacin, ceftazidime/avibactam, ceftolozane/tazobactam, ciprofloxacin, ertapenem, gentamicin, imipenem, levofloxacin, meropenem, piperacillin/tazobactam, tetracycline, ticaglycine, tobramycin and trimethoprim/sulfamethoxazole and resistant to ampicillin/sulbactam, aztreonam, ceftazidime, ceftriaxone and cefepime. Strain MRSN 614201 has been sequenced (GenBank: JAGYCC0000000000).

**Growth Conditions:**

**Media:**

Nutrient broth or Tryptic Soy broth or equivalent

**Incubation:**

Temperature: 37°C

**Atmosphere:** Aerobic

**Propagating:**

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: Klebsiella pneumoniae, Strain MRSN 614201, NR-55583. This strain is part of the Klebsiella pneumoniae Diversity Panel provided by the Multidrug-Resistant Organism Repository and Surveillance Network (MRSN) at the Walter Reed Army Institute of Research (WRAIR).”

**Biosafety Level:** 2


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**Material Provided:**

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

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

**Packaging/Storage:**

NR-55583 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.

**Manufacturer:**

BEI Resources

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References:

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