**Klebsiella oxytoca**, Strain 957532

**Catalog No. NR-56610**

For research use only. Not for use in humans.

**Contributor and Manufacturer:**
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**Product Description:**

**Bacteria Classification:** Enterobacteriaceae, Klebsiella

**Species:** Klebsiella oxytoca

**Strain:** 957532

**Original Source:** Klebsiella oxytoca (K. oxytoca), strain 957532 was isolated in 2013 from a wound sample of a 52-year-old male in South Korea.1

**Comments:** K. oxytoca, strain 957532 was deposited as part of the Global Priority Superbugs Collection. NR-56610 was deposited as resistant to amikacin, aztreonam, cefepime, piperacillin/tazobactam.

K. oxytoca is a non-motile, Gram-negative, rod-shaped bacterium that causes frequent nosocomial infections of the urinary and respiratory tracts. It is ubiquitous in the environment and is often isolated from the skin, mucous membranes and intestines of humans and animals.2 Due to the extensive spread of antibiotic-resistant strains, especially of extended-spectrum β-lactamase (ESBL)-producing strains, there has been renewed interest in K. oxytoca infections.3,4

**Material Provided:**
Each vial contains approximately 0.3 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-56610 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:**
Nutrient broth or Tryptic Soy broth or equivalent

Nutrient agar or Tryptic Soy agar or Tryptic Soy agar with 5% defibrinated sheep blood 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.

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**References:**

**Biosafety Level:** 2


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