**Product Information Sheet for NR-44354**

**Klebsiella pneumoniae, Strain UHKPC45**

Catalog No. NR-44354

For research use only. Not for human use.

**Contributor:**
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**Manufacturer:**
BEI Resources

**Product Description:**

**Bacteria Classification:** Enterobacteriaceae, Klebsiella

**Species:** Klebsiella pneumoniae

**Strain:** UHKPC45

**Original Source:** Klebsiella pneumoniae (K. pneumoniae), strain UHKPC45 was isolated in 2008 from blood of a patient with sepsis in Cleveland, Ohio, USA.1

**Comments:** This strain is part of the Genome Sequencing Centers for Infectious Diseases contract (GenBank: ARVO00000000).

1 K. pneumoniae is a Gram-negative enterobacterium that is a major cause of nosocomial infections of the urinary and respiratory tracts.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 Klebsiella infections.2

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

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

**Packaging/Storage:**
NR-44354 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 Nutrient broth or equivalent
Tryptic Soy agar or Tryptic Soy agar with 5% defibrinated sheep blood or Nutrient agar or equivalent

**Incubation:**

**Temperature:** 37°C

**Atmosphere:** Aerobic with 5% CO2

**Propagator:**
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 24 hours.

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Klebsiella pneumoniae, Strain UHKPC45, NR-44354.”

**Biosafety Level:**
2


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