

Genomic DNA from *Klebsiella pneumoniae*, Isolate 2**Catalog No. NR-15465****For research use only. Not for human use.****Contributor and Manufacturer:**

BEI Resources

Product Description:

Genomic DNA was obtained from a preparation of *Klebsiella pneumoniae* (*K. pneumoniae*), isolate 2.

K. pneumoniae, isolate 2 contains the β -lactamase *K. pneumoniae* carbapenemase (*bla*_{KPC}) gene.

NR-15465 has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA gene. The presence of the *bla*_{KPC} gene in NR-15465 has been confirmed by PCR amplification of a *bla*_{KPC} gene specific sequence from extracted DNA.

Material Provided:

Each vial contains 0.7 to 1.5 μ g of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 8). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-15465 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic DNA from *Klebsiella pneumoniae*, Isolate 2, NR-15465."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories](#). 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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References:

1. Endimiani, A., et al. "Characterization of *bla*_{KPC}-Containing *Klebsiella pneumoniae* Isolates Detected in Different Institutions in the Eastern U.S.A." [J. Antimicrob. Chemother.](#) 63 (2009): 427-437. PubMed: 19155227.

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