

Genomic DNA from *Bacillus thuringiensis* subsp. *konkukian*, Strain 97-27

Catalog No. NR-12315

For research use only. Not for human use.

Contributor:

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Product Description:

Genomic DNA was isolated from a preparation of *Bacillus thuringiensis* (*B. thuringiensis*) subsp. *konkukian*, strain 97-27, (serotype H34).¹

B. thuringiensis subsp. *konkukian*, strain 97-27 was isolated in 1995 from the wound of a healthy 28-year-old French soldier who was injured by a land mine explosion in the former Yugoslavia.^{2,3}

NR-12315 has been qualified for PCR applications by amplification of approximately 1500 bp of the 16S ribosomal RNA gene.

Material Provided:

Each vial contains 4 to 6 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 7.4). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-12315 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 the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Genomic DNA from *Bacillus thuringiensis* subsp. *konkukian*, Strain 97-27, NR-12315."

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, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

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References:

1. Lee, H. H., et al. "New Serovars of *Bacillus thuringiensis*: *B. thuringiensis* ser. *xoreanensis* (serotype H25), *B. thuringiensis* ser. *leesis* (serotype H33), and *B. thuringiensis* ser. *konkukian* (serotype H34)." J. Invertebr. Pathol. 63 (1994): 217-219. PubMed: 8176244.
2. Hernandez, E., et al. "*Bacillus thuringiensis* subsp. *konkukian* (serotype H34) Superinfection: Case Report and Experimental Evidence of Pathogenicity in Immunosuppressed Mice." J. Clin. Microbiol. 36 (1998): 2138-2139. PubMed: 9650985.
3. Radnedge, L., et al. "Genome Differences that Distinguish *Bacillus anthracis* from *Bacillus cereus* and *Bacillus thuringiensis*." Appl. Environ. Microbiol. 69 (2003): 2755-2764. PubMed: 12732546.

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