Genomic DNA from Yersinia enterocolitica subsp. enterocolitica, Strain Billups-1803-68

Catalog No. NR-3064

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Contributor: ATCC®

Product Description:
Genomic DNA was isolated from a preparation of Yersinia enterocolitica (Y. enterocolitica) subsp. enterocolitica, strain Billups-1083-68.

Y. enterocolitica subsp. enterocolitica is a non-spore-forming, Gram-negative, rod-shaped coccobacillus. Virulence-associated genes are located on the chromosome and on the pYV (~ 64 to 75 kb) plasmid found in typical virulent strains of Y. enterocolitica subsp. enterocolitica. This plasmid encodes a type III secretion system involved in the delivery of virulence proteins that contribute to internalization into host cells.

Y. enterocolitica subsp. enterocolitica, strain Billups-1083-68 was isolated in 1968 from the blood of an adult female patient with bacteremia in St. Louis, Missouri.

NR-3064 has been qualified for PCR applications by amplification of ~ 1500 bp of the 16S ribosomal RNA gene.

Material Provided:
Each vial contains approximately 5 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH ~ 7.4). The concentration, expressed as µg per µL, is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:
NR-3064 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 Yersinia enterocolitica subsp. enterocolitica, Strain Billups-1803-68, NR-3064.”

Biosafety Level: 1


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References:

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