

Bacterial Genomic DNA Isolation Kit

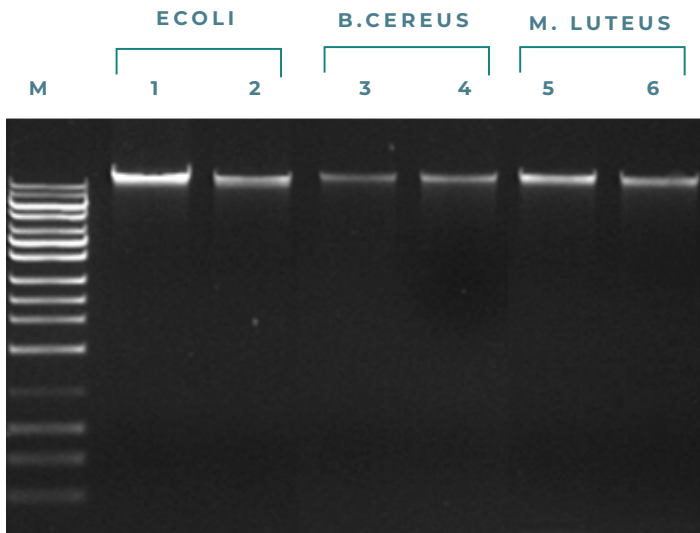
CAT. 17900, 17950

FOR THE RAPID PREPARATION OF GENOMIC DNA FROM BACTERIA



- ✓ Isolate genomic DNA from all types of bacteria (both Gram-positive and Gram-negative)
- ✓ Rapid and convenient spin column protocol
- ✓ 96-well format available for high throughput
- ✓ High yield, high quality DNA for sensitive downstream applications including sequencing, PCR, qPCR and more

Advantages You Will Bring to Your Lab

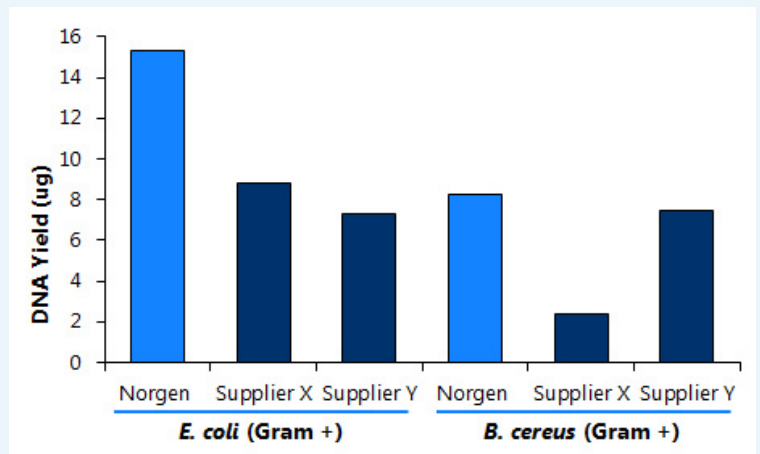


ISOLATION OF GENOMIC DNA FROM GRAM POSITIVE AND GRAM NEGATIVE BACTERIA

Figure 1. Isolation of Genomic DNA from both Gram Positive and Gram Negative Bacteria. The Bacterial Genomic DNA Isolation Kit was used to isolate genomic DNA from 1 mL overnight culture (1×10^9 cells) of the Gram negative bacteria *E. coli* (Lanes 1 and 2), the lysozyme-resistant Gram positive bacteria *B. cereus* (Lanes 3 and 4) and the Gram positive bacteria *M. luteus* (Lanes 5 and 6). Lane M is Norgen's UltraRanger 1kb DNA Ladder. For analysis 5 μ L of the 200 μ L eluted genomic DNA were loaded on a 1X TAE, 0.9% agarose gel.

NORGEN'S KIT SHOWS HIGHER YIELD FOR BOTH GRAM POSITIVE & NEGATIVE SAMPLES

Figure 2. High Yield Purification. The high yield of Norgen's Bacterial Genomic DNA Isolation Kit is illustrated by purifying genomic DNA from 1 mL overnight culture (1×10^9 cells) of both a Gram positive (*B. cereus*) and a Gram negative strain (*E. coli*), and comparing the yield with two major competitors. The quantification of the DNA yield was performed by resolving 5 μ L of the 200 μ L of eluted DNA on a 1X TAE, 0.9% agarose gel followed by densitometry. With both types of bacteria, Norgen's kit was found to give a higher recovery than the competitor's kits.





Kit Specifications

Description	Specifications
Input	2 x 10 ⁹ bacterial cells
Column Binding Capacity	25 µg
Average Yield*	Up to 20 µg
Time to Complete 10 Purifications	1 hour

* Yield will vary depending on the type of sample processed

Select Publications

Elmarghani, Ebraheem D., et al. **“Genomic Insights into Extended-Spectrum -Lactamase- and Plasmid-Borne AmpC-Producing Escherichia Coli Transmission between Humans and Livestock in Rural Cambodia.”** Journal of Medical Microbiology, vol. 74, no. 3, Mar. 2025, p. 001988, <https://doi.org/10.1099/jmm.0.001988>.

Kumar, Chandan, et al. **“Sorghum Rhizosphere Bacteriome Studies and Generation of Multistrain Beneficial Bacterial Consortia.”** Microbiological Research, vol. 292, Urban & Fischer, Dec. 2024, p. 128036, <https://doi.org/10.1016/j.micres.2024.128036>.

Melero-Jiménez, Ignacio J., et al. **“Mutualism Breakdown Underpins Evolutionary Rescue in an Obligate Cross-Feeding Bacterial Consortium.”** Nature Communications, vol. 16, no. 1, Springer Science and Business Media LLC, Apr. 2025, <https://doi.org/10.1038/s41467-025-58742-1>.

Ordering Information

Description	Preps	Cat. #
Bacterial Genomic DNA Isolation Kit	50 Preps	17900
Bacterial Genomic DNA Isolation Kit	2 x 96-Well Plates	17950

Related Products

Description	Prep Size	Cat. #
HighRanger 1 kb DNA Ladder	100 Loads	11900
Milk Bacterial DNA Isolation Kit	50 Prep	21550
Norgen Next Generation Sequencing Services	Call 1-866-Norgenb or Visit norgenbiotek.com	

Order Today!

Order Norgen's Bacterial Genomic DNA Isolation Kit today to help improve your research performance and workflow.

Three ways to order

Visit norgenbiotek.com

Call at **1-866-NORGENB** or **905-227-8848**

Email at orders@norgenbiotek.com

Enhance your lab with the complete workflow solutions from Norgen.



COLLECTION & PRESERVATION



EXTRACTION



APPLICATION



For more information
SCAN HERE



norgenbiotek.com