



Genomic DNA from *Deinococcus radiodurans* strain R1 (smooth)

13939D-5™

Description

Genomic DNA isolated from *Deinococcus radiodurans* strain R1 (smooth). This bacterial strain is also available as ATCC® 13939™.

Organism: *Deinococcus radiodurans* (ex Raj et al.) Brooks and Murray

Derived from: *Deinococcus radiodurans* R1 (smooth) [CCUG 27074, CIP 104750, DSM 20539, HAMBI 1924, IFO 15346, LMG 4051, UWO 288, VKM B-1422] (ATCC 13939)

Genome sequenced strain: Yes

Type strain: Yes

Mass: 5 µg

Shipping information: Stored in 1X TE buffer

Storage Conditions

Product format: Dried

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories*

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(BMBL), U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Handling Procedures

Centrifuge tube prior to opening to prevent loss of pelleted material

1. Rehydrate contents of vial with molecular grade H₂O.
 2. Place vial at 37°C for 1 hour or at 2°C to 8°C overnight.
 3. For more complete rehydration and to fully recover DNA, incubate the sample overnight at 4°C while rocking; then incubate for 1 hour at 65°C. Resuspending the dried DNA in ≥ 250 µL may give better results.
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Quality Control Specifications

Integrity: Integrity of DNA was determined by electrophoresis on a 1% agarose gel stained with ethidium bromide, and was found to be intact and of high molecular weight.

Notes

Genomic DNA isolated from bacteria is appropriate for PCR* and other molecular biology applications.

*The polymerase chain reaction (PCR) process is covered by patents owned by

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Hoffmann-LaRoche Inc. Use of the PCR process requires a license.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Genomic DNA from *Deinococcus radiodurans* strain R1 (smooth) (ATCC 13939D-5)

References

References and other information relating to this material are available at www.atcc.org.

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Revision

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