

Genomic DNA from *Mycobacterium ulcerans*, Strain S4018

Catalog No. NR-51974

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of *Mycobacterium ulcerans* (*M. ulcerans*), strain S4018, which was isolated in December 2006 from the cutaneous lesion of an active Buruli ulcer on a male child in Benin.^{1,2,3} The complete genome of *M. ulcerans*, strain S4018 has been sequenced (GenBank: [MDUB000000000](#)).³

NR-51974 has been qualified for PCR applications by amplification of approximately 1500 base pairs of the 16S ribosomal RNA gene.

Material Provided:

Each vial contains 0.7 to 1.5 µg of bacterial genomic DNA in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 8.0). The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-51974 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 *Mycobacterium ulcerans*, Strain S4018, NR-51974."

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 \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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References:

1. Marion, E., Personal Communication.
2. [Mycobacterium ulcerans, Strain S4018](#)
3. Kambarev, S., et. al. "Draft Genome Sequence of *Mycobacterium ulcerans* S4018 Isolated from a Patient with an Active Buruli Ulcer in Benin, Africa." [Genome Announc.](#) 5 (2017): e00248-17. PubMed: 28450515.

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