

***Mycobacterium avium* subsp. *paratuberculosis*, Strain K10 (ATCC® BAA-968™), Whole Cell Lysate**

Catalog No. NR-59148

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For research use only. Not for use in humans.

Contributor:

BEI Resources

Manufacturer:

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Product Description:

Mycobacterium avium subsp. *paratuberculosis*, strain K10 (ATCC® BAA-968™) whole cell lysate contains proteins, lipids and carbohydrates present within the bacterial cell.

A culture was grown to late log phase in sodium pyruvate alanine salts medium and inactivated by gamma irradiation. Cells were suspended in PBS buffer containing 1 mM EDTA, proteinase inhibitors, DNase and RNase, and disrupted by French Press until approximately 90% breakage was obtained. The lysate was centrifuged to pellet the unbroken cells, and the cleared supernatant was removed. The protein content of the whole cell lysate was quantified using the BCA protein assay.

Material Provided:

Each vial contains approximately 5 mg of protein in 10 mM ammonium bicarbonate.

Packaging/Storage:

NR-59148 was packaged aseptically in cryovials. The product is provided frozen on blue ice and should be stored at -80°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Mycobacterium avium* subsp. *paratuberculosis*, Strain K10 (ATCC® BAA-968™), Whole Cell Lysate, NR-59148."

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. Li, L., et al. "The Complete Genome Sequence of *Mycobacterium avium* subsp. *paratuberculosis*." *Proc. Natl. Acad. Sci. USA* 102 (2005): 12344-12349. PubMed: 16116077.

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