**Mycobacterium tuberculosis, Strain HN878, Gamma-Irradiated Whole Cells**

**Catalog No. NR-49100**
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**Contributor:**
BEI Resources

**Manufacturer:**
Karen Dobos, Ph.D., Colorado State University, Fort Collins, Colorado, USA

**Product Description:**
*Mycobacterium tuberculosis* (M. tuberculosis) strain HN878 was grown to late-log phase in glycerol-alanine-salts medium and inactivated by exposure to 2.4 mRads of ionizing gamma irradiation using a 137Cs source. Confirmation of inactivation was performed by Alamar Blue assay. A dose of 2.4 mRads of gamma irradiation kills *M. tuberculosis* to a 10^20 degree of certainty while maintaining 93% to 95% of the biological activity of the enzymes. The bacilli are harvested by filtration and washed with PBS pH 7.4.

**Material Provided:**
Each vial of NR-49100 contains approximately 1 g of gamma-irradiated whole cells from *Mycobacterium tuberculosis*, strain HN878 provided as a cell culture pellet.

**Packaging/Storage:**
NR-49100 was packaged aseptically in a tube. The product is provided frozen on dry 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 tuberculosis*, Strain HN878, Gamma-Irradiated Whole Cells, NR-49100.”

**Biosafety Level: 1**

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**References:**

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