

***Acinetobacter* sp., Strain Ag1**

Catalog No. NR-50121

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Moraxellaceae, Acinetobacter*

Genus: *Acinetobacter* sp.

Strain: Ag1

Original Source: *Acinetobacter* sp., strain Ag1 was isolated in 2014 from the midgut of a mosquito (*Anopheles gambiae*, strain G3) in Las Cruces, New Mexico, USA.¹

Comments: The complete genome of *Acinetobacter* sp., strain Ag1 is available (GenBank: [LBMZ00000000](https://www.ncbi.nlm.nih.gov/nuclseq/LBMZ00000000)).

Acinetobacter spp. are aerobic, Gram-negative, coccobacilli commonly present in soil and water. Some species are also commonly found living on the skin, or in the throat and secretions of healthy people. Members of the genus *Acinetobacter* are non-motile, aerobic, oxidase-negative, catalase-positive, indole-negative and nitrate-negative. These and other phenotypic characters utilized in various commercial identification systems (e.g., API 20NE and VITEK) can identify isolates to the *Acinetobacter* genus, but molecular methods are required for confirmation of species.²

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in Nutrient broth supplemented with 10% glycerol.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

NR-50121 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

Media:

Tryptic Soy broth or Nutrient broth or Brain Heart Infusion broth or equivalent

Tryptic Soy agar or Tryptic Soy agar with 5% defibrinated sheep blood or Nutrient agar or equivalent

Incubation:

Temperature: 32°C

Atmosphere: Aerobic

Propagation:

1. Keep vial frozen until ready for use, then thaw.
2. Transfer the entire thawed aliquot into a single tube of broth.
3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate the tube, slant and/or plate at 37°C for 1 day.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: *Acinetobacter* sp., Strain Ag1, NR-50121.”

Biosafety Level: 2

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, 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Xu, J., Personal Communication.
2. Bergogne-Bérézin, E., M. L. Joly-Guillou and K. J. Towner, eds. *Acinetobacter: Microbiology, Epidemiology, Infection, Management*. New York: CRC Press, 1996.

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