# *Bacillus thuringiensis* Berliner

33679™

## Description

*Bacillus thuringiensis* strain NRRL B-3792 is a whole-genome sequenced strain that was isolated from diseased insect larvae. This bacterial culture produces spores and toxic parasporal crystals.

**Strain designation:** NRRL B-3792
**Deposited As:** *Bacillus thuringiensis* subsp. *kurstaki* de Barjac and Lemille
**Type strain:** No
**Serotype:** H3:3a,3b

## Storage Conditions

**Product format:** Freeze-dried
**Storage conditions:** 2°C to 8°C

## 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 (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.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

## Certificate of Analysis

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

## Growth Conditions

**Medium:**
ATCC Medium 1209: NSMP* Modified Medium
**Temperature:** 30°C
**Atmosphere:** Aerobic

## Handling Procedures

1. Open vial according to enclosed instructions.
2. Using a single tube of #1209 (5 to 6 mL), withdraw 0.5 to 1.0 mL with a Pasteur

or 1.0 mL pipette. Rehydrate the entire pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to to inoculate a #1209 agar slant and/or plate.
5. Incubate tubes and plates at 30°C for 24 hours.

## Notes

This strain may require a jump start.

Serotype H3:3a,3b (Barjec and Lemille, J. Invertebr. Pathol. 15: 139-140, 1970).

This strain produces spores and toxic parasporal crystals (Johnson *et al*., Can. J. Microbiol. 26: 486-491, 1980).

This strain also has genes that code for entomocidal proteins (Yamamoto, Curr. Microbiol. 17: 5-12, 1988).

Purified genomic DNA of this strain is available as ATCC® 33679D™.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Bacillus thuringiensis* Berliner (ATCC 33679)

## References

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

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## Revision

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