



Priestia megaterium (de Bary) Gupta et al.

14581-MINI-PACK™

Description

ATCC® 14581-MINI-PACK™ consists of 6 ready-to-use vials of ATCC® 14581™ frozen in 200 µL of glycerol stock, eliminating the need to rehydrate and culture the strain prior to use. Each vial is provided with a 2-D barcode for easy storage and tracking, as well as peel-off labels for fast and reliable recordkeeping.

Strain designation: [BCRC 10608, CCM 2007, CCUG 1817, CIP 66.20, DSM 32, HAMBI 2018, IAM 13418, JCM 2506, KCTC 3007, LMG 7127, NBRC 15308, NCCB 75016, NCIMB 9376, NCTC 10342, NRIC 1710, NRRL B-14308, VKM B-512]

Deposited As: *Bacillus megaterium* de Bary

Type strain: Yes

Shipping information: 6 ready-to-use vials containing the strain in glycerol stock

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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 3: Nutrient agar or nutrient broth

Temperature: 30°C

Atmosphere: Aerobic

Handling Procedures

Frozen mini-cryovials packed in dry ice should either be thawed immediately for use or stored at or below -70°C until the expiration date printed on the label. Storage at -20°C may affect the growth and viability of the culture.

1. Thaw the bacterial strain upright using gentle agitation in a 25°C to 30°C water bath. Thawing will be rapid; approximately 2-3 minutes or until all ice crystals have melted.
2. Immediately after thawing, wipe down the mini-cryovial with 70% ethanol and aseptically transfer the entire contents to a 5-6 mL tube of #3 broth or directly inoculate a #3 plate and/or #3 agar slant.
3. Discard the empty vial. Do not refreeze any unused portion as it will result in a loss of viability.
4. Incubate at 30°C for 24 hours.

Notes

For spore formation, the following medium may be used:

#10 Broth: Nutrient Broth (BD 234000) in tap water with 25% Soil Extract (see below)

#10 Agar: Nutrient Agar (BD 213000) in tap water with 25% Soil Extract (see below)

Soil Extract:

African violet soil, 77.0 g

Na₂CO₃, 0.2 g

Distilled water, 200.0 ml

Autoclave for one hour. Filter through paper before using in media.

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: *Priestia megaterium* (de Bary) Gupta et al. (ATCC 14581-MINI-PACK)

References

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

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