Clostridium sporogenes (Metchnikoff) Bergey et al.

11437-MINI-PACK™

Description

ATCC® 11437-MINI-PACK™ consists of 6 ready-to-use vials of ATCC® 11437™ 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: L.S. McClung 2006
Deposited As: *Clostridium sporogenes* (Metchnikoff) Bergey et al.
Type strain: No
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:
Anaerobe Systems Brucella Blood Agar Plates (BRU) (AS-111 or AS-141)
Anaerobe Systems Reinforced Clostridial Broth (RCB) (AS-606)
ATCC Medium 2107: Modified Reinforced Clostridial
ATCC Medium 260: Trypticase soy agar/broth with defibrinated sheep blood
Temperature: 37°C
Atmosphere: Anaerobic

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. Under anaerobic conditions, aseptically transfer the entire contents to a 5-6 mL tube of #2107 broth or directly inoculate a blood plate and/or blood agar slant. Best practice dictates the use of pre-reduced media.
3. Streak several blood plates for colony morphology and purity.
4. Discard the empty vial. Do not refreeze any unused portion as it will result in a loss of viability.
5. Incubate at 37°C for 24-48 hours under anaerobic conditions. Incubate one agar plate aerobically at 37°C to check for contamination.

ANAEROBIC CONDITIONS:

Anaerobic conditions for transfer may be obtained by either of the following:

- Use of an anaerobic gas chamber, or
- Placement of test tubes under a gassing cannula system connected to anaerobic gas

Anaerobic conditions for incubation may be obtained by any of the following:

- Loose screw caps on test tubes in anaerobic chamber,
- Loose screw caps on test tubes in an activated anaerobic gas pack jar, or
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

Notes

Anaerobe Systems Brucella Blood Agar plates (AS-111 or AS-141) are recommended for analyzing colony morphology and purity. Anaerobe Systems Reinforced Clostridial

Broth (AS-606) is recommended for better growth.
Always use freshly prepared pre-reduced media or pre-reduced media that has been previously prepared but stored under anaerobic conditions.
Purified genomic DNA of this strain is available as ATCC® 11437D-5™.
Also available as a certified reference material: ATCC® CRM-11437™.
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: *Clostridium sporogenes* (Metchnikoff) Bergey et al. (ATCC 11437-MINI-PACK)

References

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

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Revision

This information on this document was last updated on 2025-10-20

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