



Product Sheet

# PLBKM 33 IN ESCHERICHIA COLI

(53389)

Please read this FIRST



## Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

## Shipping Information

Distributed: freeze-dried

## Patent Depository

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**U.S. Patent Number:**  
5,254,799

## Technical Information

ATCC Technical Services does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found on the international or [U.S. patent office](#) websites.

## Product Description

**Designation:** PLBKM 33 IN ESCHERICHIA COLI  
**Organism:** *Escherichia coli* (Migula) Castellani and Chalmers

## Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

## SAFETY PRECAUTION

ATCC highly recommends that protective gloves and clothing always be used and a full face mask always be worn when handling frozen vials. It is important to note that some vials leak when submerged 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 vessel exploding or blowing off its cap with dangerous force creating flying debris.

## Unpacking & Storage Instructions

1. Check all containers for leakage or breakage.
2. Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below -130°C, preferably in liquid nitrogen vapor, until ready for use.

## Propagation

## Complete Growth Medium

ATCC® Medium 1637: LB medium (ATCC medium 1065) with 100 mcg/ml carbenicillin

## Notes

patent

## References

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

## Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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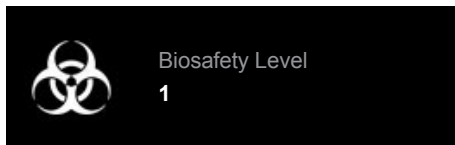
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## **ATCC Warranty**

Patent Deposits not produced or characterized by ATCC are warranted for viability only. If you believe the culture you have received is nonviable, contact Technical Services by phone at 800-638-6597 or 703-365-2700 or by e-mail at [tech@atcc.org](mailto:tech@atcc.org). Or you may contact your local distributor.

## **Disclaimers**

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Website at [www.atcc.org](http://www.atcc.org)

## **Disclosure**

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Additional information on this culture may be available on the ATCC web site at [www.atcc.org](http://www.atcc.org).  
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[09/13]

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