



Product Sheet

Escherichia coli (ATCC®) 23744™)

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.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Escherichia coli* (ATCC® 23744™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: [EMG 28]

Deposited Name: *Escherichia coli* (Migula) Castellani and Chalmers

Genotype: K-12 pro- thr- leu- thi- str-r F-

Propagation

Medium

ATCC® Medium 3: Nutrient agar or nutrient broth

Growth Conditions

Temperature: 37.0°C

Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #3 broth (5 to 6 ml), withdraw approximately 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 inoculate a second tube of broth, a slant, and/or plate.
5. Incubate all tubes and plate at 37°C for 24 to 48 hours.

Notes

To check requirements, the organism is opened into a tube of #3 broth and a #3 plate streaked for isolation. After 24 hours, a small amount of a single colony is picked and a tube of minimal broth inoculated to produce a very light turbidity. A single drop of this suspension is passed into a second tube of minimal broth and tubes of minimal broth plus the required amino acids (DL-amino acids are added as 0.1 mg/ml). A tube of #3 broth is also inoculated with a single drop to assure enough cells were added for growth. After 24 and 48 hours incubation at 37°C, tubes are examined for growth. The tubes missing an added amino acid should show no growth while the tubes with all the added amino acids and the #3 broth should show turbidity.

Colonies on #3 plates are entire, glistening, smooth, translucent, and gray.

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

References

References and other information relating to this product are available online at 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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Additional information on this culture is available on the ATCC web site at www.atcc.org.

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