



# ***Escherichia coli* (Migula) Castellani and Chalmers**

**47063™**

## **Description**

**Strain designation:** PMC107

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

**Type strain:** No

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## **Storage Conditions**

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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## **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.

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## **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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

### Medium:

ATCC Medium 1065: LB Agar/Broth, Miller

**Temperature:** 37°C

**Atmosphere:** Aerobic

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## Handling Procedures

1. Open vial according to enclosed instructions or visit [www.atcc.org](http://www.atcc.org) for instructions.
2. Rehydrate the entire pellet with approximately 0.5 mL of #1065 broth. Aseptically transfer the entire contents to a 5-6 mL tube of #1065 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.

3. Use several drops of the primary broth tube to inoculate a #1065 plate and/or #1065 agar slant.
  4. Incubate at 37°C for 14-18 hours.
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## **Notes**

Methylation tolerant, recombination deficient host that improves the stability of cosmid clones.

- Gene 124: 29-35, 1993

Allows the recovery of bacteriophage with recombinant DNA containing secondary structure, but supports poorer phage growth than PMC103 and PMC128 (ATCC® 47060™, 47064™).

- Gene 124: 29-35, 1993

Constructed from JC12186 by P1 transduction of delta(mcrBC-hsdRSM-mrr) from *E. coli* ER1648.

- Gene 124: 29-35, 1993

This strain is being made readily available to the scientific community with the proviso that it not be used to form the basis of a product for commercial sale or be included in any commercial product (personal communication).

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## **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Escherichia coli* (Migula) Castellani and Chalmers (ATCC 47063)

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## **References**

References and other information relating to this material are available at

[www.atcc.org](http://www.atcc.org).

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**47063**

Product Sheet

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