



# *Escherichia coli* (Migula) Castellani and Chalmers

47076™

## Description

*Escherichia coli* strain MG165 is a host strain with well-characterized restriction maps for NotI, SfiI, XbaI, and BlnI. This bacterial strain can be used as a molecular size marker for pulsed-field gel electrophoresis.

**Strain designation:** MG1655

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

**Type strain:** No

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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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**

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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:**

# *Escherichia coli* (Migula) Castellani and Chalmers 47076

ATCC Medium 1065: LB Agar/Broth, Miller

**Temperature:** 37°C

**Atmosphere:** Aerobic

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## Handling Procedures

1. Open thawed vial according to enclosed instructions or visit [www.atcc.org](http://www.atcc.org) for instructions.
  2. Aseptically transfer the entire contents to a 5-6 mL tube of #1065 broth. Additional test tubes can be inoculated by transferring 0.1 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 24 hours.
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## Notes

Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

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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 47076)

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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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