



# *Escherichia coli* (Migula) Castellani and Chalmers

33849™

## Description

*Escherichia coli* strain DH1 has applications in molecular biology as a transformation host.

**Strain designation:** DH1

**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:**

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.
  2. Using a single tube of #1065 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 additional #1065 broth tubes, an agar slant, and/or plate.
  5. Incubate the tubes and plate at 37°C for 24 hours.
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## Notes

Derived from MM294 (ATCC 33625).

- J. Mol. Biol. 166: 557-580, 1983

A plasmid host with a high transformation frequency.

- unknown

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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 33849)

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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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## **Revision**

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