



Product Sheet

# *Variovorax paradoxus* (ATCC® 17713™)

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: *Variovorax paradoxus* (ATCC® 17713™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
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## Description

**Designation:** 351 [13-0-1D, ICPB 3985]

**Deposited Name:** *Alcaligenes paradoxus* Davis

## Propagation

### Medium

ATCC® Medium 3: Nutrient agar or nutrient broth

### Growth Conditions

**Temperature:** 26.0°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 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 30°C for 3 to 5 days.

## Notes

Two colony types are present. The most abundant type is yellow, rough, and spreading. The second type is smooth, convex, and cream in color. This strain grows autotrophically on Medium #1246 with a gas mixture of 80% hydrogen and 20% carbon dioxide.

#1246 Broth: Mineral Medium for Hydrogen Bacteria

KH<sub>2</sub>PO<sub>4</sub>, 2.3 g

Na<sub>2</sub>HPO<sub>4</sub>·2H<sub>2</sub>O, 2.9 g

NH<sub>4</sub>Cl, 1.0 g

MgSO<sub>4</sub>·7H<sub>2</sub>O, 0.5 g

NaHCO<sub>3</sub>, 0.5 g

CaCl<sub>2</sub>·2H<sub>2</sub>O, 0.01 g

Ferric ammonium citrate, 0.05 g

Distilled water, 980.0 ml

Agar (*if needed*), 15.0 g

*Sterilize ferric ammonium citrate (0.05 g in 20 ml H<sub>2</sub>O) separately and then add to basal medium. Incubate at 30°C under a gas mixture of 60% H<sub>2</sub>, 10% CO<sub>2</sub>, 25% N<sub>2</sub>, 5% O<sub>2</sub>.*

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

## 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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## Disclaimers



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## ***Variovorax paradoxus*** **(ATCC® 17713™)**

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