



Product Sheet

# *Fusobacterium nucleatum* *subsp. vincentii* (ATCC® 49256™)

Please read this **FIRST**



Storage Temp.  
**Frozen: -80°C or colder**  
**Freeze-Dried: 2°C to 8°C**  
**Live Culture: See Propagation Section**

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Biosafety Level  
**1**

## 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: *Fusobacterium nucleatum subsp. vincentii* (ATCC® 49256™)

## Description

**Designation:** EM48

**Deposited Name:** *Fusobacterium nucleatum* subsp. *vincentii* Dzink et al.

## Propagation

### Medium

ATCC® Medium 1490: Modified chopped meat medium

### Growth Conditions

**Temperature:** 37°C

**Atmosphere:** Anaerobic

### Propagation Procedure

1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, withdraw 0.5 mL of recommended broth from a single test tube (5 to 6 mL) and rehydrate the entire vial contents.
3. Aseptically transfer this aliquot back into the broth tube. A slant and a Anaerobe Systems Brucella Blood plate (AS-111 or AS-141) plate may also be inoculated with 0.1 mL each of the cell suspension. An aerobic Brucella blood plate may also be streaked to check for purity.
4. Incubate tubes and plate under anaerobic conditions at 37°C. Incubate the Brucella blood plate aerobically at 37°C.
5. In 24 to 48 hours, growth is evident by turbidity in the broth.

### ANAEROBIC CONDITIONS:

Anaerobic conditions for transfer may be obtained by either of the following:

- Use of an anaerobic gas chamber, or
- Placement of test tubes under a gassing cannula system hooked to anaerobic gas.

Anaerobic conditions for incubation may be obtained by any of the following:

- Loose screw caps on test tubes in anaerobic chamber,
- Loose screw caps on test tubes in an activated anaerobic gas pack jar, or
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

## Notes

For the analysis of colony morphology and purity, ATCC recommends the Anaerobe Systems Brucella Blood Plate (AS-111 or AS-141)

Always use freshly prepared pre-reduced media or pre-reduced media that has been previously prepared but stored under anaerobic conditions. Resazurin in the media is a color indicator for anaerobic conditions.

Observance of pink color in medium before use or during incubation shows anaerobic conditions have not been met and oxidation has occurred. Medium should be discarded.

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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Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor



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**Disclaimers**

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

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