**Designation:** EM48  
**Deposited Name:** Fusobacterium nucleatum subsp. vincentii Dzink et al.

**Medium**  
ATCC® Medium 1490: Modified chopped meat medium

**Growth Conditions**  
**Temperature:** 37°C  
**Atmosphere:** Anaerobic gas mixture, 80% N₂-10% CO₂-10% H₂

**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 an 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. Observation 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.

**References**
References and other information relating to this product are available online at 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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