

# Introducing the new EUCAST-recommended medium for antimicrobial susceptibility testing (AST) of anaerobic bacteria

## Liofilchem Fastidious Anaerobe Agar (FAA)

With increasing antimicrobial resistance, AST of anaerobic bacteria becomes increasingly important.<sup>1</sup> Liofilchem Fastidious Anaerobe Agar (FAA) is a ready-to-use agar plate for the cultivation and AST of anaerobic bacteria. This medium is recommended by the European Committee on Antimicrobial Susceptibility Testing (EUCAST) for disc diffusion of selected rapidly growing anaerobic bacteria, including *Bacteroides* spp., *Prevotella* spp., *Fusobacterium necrophorum*, *Clostridium perfringens* and *Cutibacterium acnes*.<sup>2</sup>

### Confidence in results

- Liofilchem FAA plates permit excellent growth of most anaerobic bacteria
- Medium of choice by EUCAST for the development of a disc diffusion method for anaerobes

### Convenient and easy to use

- Ready-to-use prepared medium plate for fast, simple set up

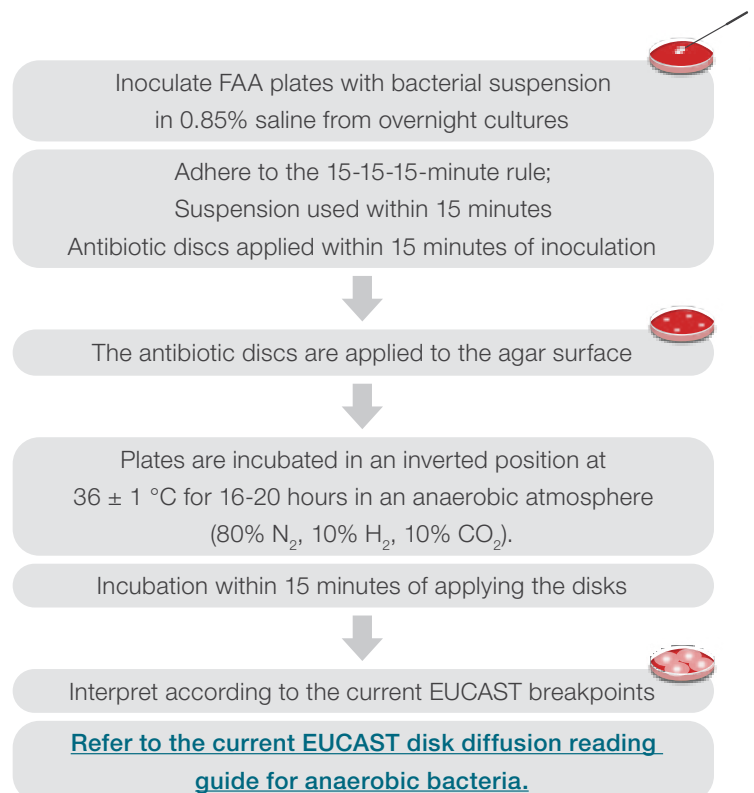


### Sample processing

Liofilchem FAA plates are inoculated with a bacterial suspension in 0.85% saline from overnight cultures, adhering to the 15-15-15-minute rule (suspension used within 15 minutes, discs applied within 15 minutes of inoculation, and incubation within 15 minutes of applying the discs).

The antibiotic discs are applied to the agar surface. Plates are incubated in an inverted position at  $36 \pm 1^\circ\text{C}$  for 16-20 hours in an anaerobic atmosphere (80%  $\text{N}_2$ , 10%  $\text{H}_2$ , 10%  $\text{CO}_2$ ).

At the end of the incubation period, the inhibition zone diameters are measured and interpreted according to the current EUCAST breakpoints and QC criteria for disc diffusion of anaerobes. [Refer to the current EUCAST disc diffusion reading guide for anaerobic bacteria.](#) Additional information is available [here](#).



1. <https://www.who.int/news-room/fact-sheets/detail/antibiotic-resistance#:~:text=Antibiotic%20resistance%20is%20accelerated%20by,poor%20infection%20prevention%20and%20control.>

2. [https://www.eucast.org/fileadmin/src/media/PDFs/EUCAST\\_files/Anaerobic\\_bacteria/2022\\_anaerobes/EUCAST\\_disk\\_diffusion\\_methodology\\_for\\_rapidly\\_growing\\_anaerobic\\_bacteria\\_with\\_QC\\_v\\_1.0\\_2022.pdf](https://www.eucast.org/fileadmin/src/media/PDFs/EUCAST_files/Anaerobic_bacteria/2022_anaerobes/EUCAST_disk_diffusion_methodology_for_rapidly_growing_anaerobic_bacteria_with_QC_v_1.0_2022.pdf)

## Ordering information

Description	Packaging	Product No.
Liofilchem Fastidious Anaerobe Agar	20 x 90 mm plates	PO10062

Our product range offers a complete solution for all your anaerobic AST screening needs.

### Transport swabs

The Thermo Scientific™ Oxoid™ swab range provides optimal conditions to maintain the viability of samples while allowing the safe and convenient collection of screening samples.

Amies Agar with Gel	10x 50	TS0001A
Amies Agar with Charcoal	10x 50	TS0002A

### Thermo Scientific™ Oxoid™ Antimicrobial Susceptibility Testing Discs

Piperacillin/Tazobactam TZP (36 µg)	5 x 50 discs	CT1616B
Meropenem MEM (10 µg)	5 x 50 discs	CT0774B
Clindamycin DA (2 µg)	5 x 50 discs	CT0064B
Metronidazole MTZ (5 µg)	5 x 50 discs	CT0067B
Penicillin G - P (1 IE)	5 x 50 discs	CT0152B
Vancomycin VA (5 µg)	5 x 50 discs	CT0188B

### Thermo Scientific™ Culti-Loops™ Quality Control Organisms

<i>Bacteroides fragilis</i> ATCC® 25285™		R4601250
<i>Clostridium perfringens</i> ATCC® 13124™		R4601600

### Atmosphere Generation Systems (AGS)

The Thermo Scientific™ Oxoid™ AnaeroGen™ System is an anaerobic atmosphere generation system.

AnaeroGen 2.5 litre for use in 2.5 litre jar	10 sachets	AN0025A
AnaeroGen 3.5 litre for use in 3.5 litre jar	10 sachets	AN0035A
AnaeroGen Compact	10 sachets and 10 pouches	AN0010C
AnaeroGen W-Zip Compact	10 sachets and 10 W-Zip pouches	AN0010W
AnaeroGen Compact for use in plastic pouches and/or W-Zip pouches	10 sachets	AN0020D

The Thermo Scientific™ Oxoid™ CO<sub>2</sub> Gen™ System produces suitable conditions for organisms which require or grow better in a CO<sub>2</sub> enriched atmosphere.

CO <sub>2</sub> Gen 2.5 litre for use in 2.5 litre jar	10 sachets	CD0025A
CO <sub>2</sub> Gen Compact for use in plastic pouches and/or W-Zip pouches	20 sachets	CD0020C

### Confirmatory tests

Thermo Scientific™ RapID™ ANA Plus Panel Four hour ID of medically important anaerobes; requires Spot Indole and Inoculation Fluid-1mL.	20 tests	R8311002
Thermo Scientific™ Oxoid™ AnaeroJar™	2.5 litre jar	AG0025A

### Antimicrobial susceptibility testing (AST)

Thermo Scientific™ Sensititre™ Anaerobe MIC Plate High-quality susceptibility testing for anaerobes and <i>B. fragilis</i> group.	10/pk	ANO2B*
Sensititre Anaerobe ANAERO3 MIC Plate For anaerobes, including <i>B. fragilis</i> group with amoxicillin, erythromycin, moxifloxacin and vancomycin.	10/pk	ANAERO3

\*For research use only. Not for use in diagnostic procedures.

 For more information, visit [thermofisher.com/microbiology](https://thermofisher.com/microbiology)

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