

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

Liofilchem Fastidious Anaerobe Agar with Horse Blood (FAA-HB)

With increasing antimicrobial resistance, AST of anaerobic bacteria becomes increasingly important.¹ Liofilchem Fastidious Anaerobe Agar with Horse Blood (FAA-HB) 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*.²

Confidence in results

- Liofilchem FAA-HB 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-HB 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% N_2 , 10% H_2 , 10% 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](#).

Inoculate FAA-HB plates with bacterial suspension in 0.85% saline from overnight cultures

Adhere to the 15-15-15-minute rule;
Suspension used within 15 minutes
Antibiotic discs applied within 15 minutes of inoculation

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% N_2 , 10% H_2 , 10% CO_2).

Incubation within 15 minutes of applying the disks

Interpret according to the current EUCAST breakpoints

[Refer to the current EUCAST disk diffusion reading guide for anaerobic bacteria.](#)

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

Ordering information

Description	Packaging	Product No.
Liofilchem Fastidious Anaerobe Agar with Horse Blood	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™ CO₂ Gen™ System produces suitable conditions for organisms which require or grow better in a CO₂ enriched atmosphere.

CO ₂ Gen 2.5 litre for use in 2.5 litre jar	10 sachets	CD0025A
CO ₂ 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

Liofilchem FAA-HB is CE marked but not 510(k)-cleared and not available for sale in the U.S. Availability of products in each country depends on local regulatory marketing authorization status.

Liofilchem is the legal manufacturer of FAA-HB. FAA-HB is distributed in Europe by Thermo Fisher Scientific.

© 2023 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. **LT2887A February 2023**