

PRODUCT SPECIFICATION

MUELLER HINTON AGAR

PO5007A

Typical Formula*

	grams per litre
Beef, dehydrated infusion from	300.0
Casein hydrolysate	17.5
Starch	1.5
Agar	17.0

*adjusted as required to meet performance standards

Preparation

Suspend Mueller Hinton Agar (38.0 grams / litre) in de-ionised water. Sterilise at 121°C for 15 minutes. Cool and aseptically dispense into Petri dishes. Label dishes, wrap and label pack.

Format

Ten 90mm plates, wrapped in a single nylon-based film wrap. Each plate is ink-jet printed with (abbreviated) product name, product code, lot number and expiry date.

Labels

Label gives details of product name, product code, recommended storage temperature, lot number and expiry date.

Physical Characteristics

pH	7.3 ± 0.1
Colour	Ivory
Clarity	Clear
Fill weight	23.5 ± 0.5g

Packaging and presentation

General appearance of packaging and label should be satisfactory. Label data should be correct.

Contamination Check

Macroscopic examination should show no evidence of microbial growth after aerobic incubation at 20-24 °C and 30-34°C for ≥ 72 hours.

Microbiological Tests – Antimicrobial Susceptibility Testing

Tests performed using Oxoid antimicrobial discs (EUCAST/ CLSI)

Results after aerobic incubation at 35-37°C for 18 ±2 hours

Positive controls

Escherichia coli ATCC® 25922

Antimicrobial	Code	Zone diameter (mm)
Amoxicillin/ Clavulanic Acid	AMC30	18 – 24
Ciprofloxacin	CIP5	29 – 37
Gentamicin	CN10	19 – 26
Trimethoprim/ Sulphamethoxazole	SXT25	23 – 29

Enterococcus faecalis ATCC® 29212

Antimicrobial	Code	Zone diameter (mm)
Nitrofurantoin	F100	18 – 24
Ampicillin	AMP2	15 – 21
Ciprofloxacin	CIP5	19 – 25

Staphylococcus aureus ATCC® 29213

Antimicrobial	Code	Zone diameter (mm)
Gentamicin	CN10	19 – 25
Tetracycline	TE30	23 – 31
Penicillin G	P1	12 – 18
Cefoxitin	FOX30	24 – 30

Pseudomonas aeruginosa ATCC® 27853

Antimicrobial	Code	Zone diameter (mm)
Aztreonam	ATM30	23 – 29
Imipenem	IPM10	20 – 28
Cefepime	FEP30	25 – 31

Storage conditions

Store away from the light between 2-12°C.

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