

PRODUCT SPECIFICATION

OXOID MUELLER HINTON AGAR 4MM DEPTH

PO1191S

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. Aseptically dispense into 140 mm dishes. Label dishes, wrap and label pack.

Format

Five 140 mm plates wrapped in a single nylon 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	Straw 2
Clarity	Clear
Fill weight	64.0 - 65.0g

Packaging and presentation

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

Contamination Check

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

Microbiological Tests - Antimicrobial Susceptibility Testing (EUCAST)

Test performed using Oxoid antimicrobial discs

Results after incubation at 34-36°C for 16-20 hours

Positive controls

Staphylococcus aureus ATCC® 29213

Antimicrobial	Code	Zone diameter (mm)
Cefoxitin	FOX30	24 - 30
Erythromycin	E15	23 - 29
Penicillin	P1	12 - 18
Tetracycline	TE30	23 - 31
Ciprofloxacin	CIP5	21 - 27
Linezolid	LZD10	21 - 27

Escherichia coli ATCC® 25922

Antimicrobial	Code	Zone diameter (mm)
Cefuroxime	CXM30	20 - 26
Ampicillin	AMP10	15 - 22
Cefotaxime	CTX5	25 - 31
Chloramphenicol	C30	21 - 27
Gentamicin	CN10	19 - 26
Tigecycline	TGC15	20 - 27

Pseudomonas aeruginosa ATCC® 27853

Antimicrobial	Code	Zone diameter (mm)
Gentamicin	CN10	17 - 23
Amikacin	AK30	20 - 26
Ciprofloxacin	CIP5	25 - 33
Ceftazidime	CAZ10	21 - 27
Tobramycin	TOB10	20 - 26
Imipenem	IPM10	20 - 28

Storage conditions

Store away from the light between 2 - 10°C.

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