



## PRODUCT SPECIFICATION



<b>Product Name</b>	<b>Mueller Hinton Agar</b>
<b>Product Code</b>	<b>PO5007A</b>

Form of Product	Poured plate
Storage	6 – 12°C
Filling weight	24 g ± 5 %
Packaging	10 plates wrapped in film
pH	7.3 ± 0.1
Colour	Ivory, transparent
Shelf life	20 weeks
Intended Usage	An antimicrobial susceptibility testing medium which may be used in internationally recognised standard procedures. For professional use only.
Technique	Depends on the different methods. For information see Oxoid CM337.

Typical Formulation*	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.

### Quality Control

1. Control for general characteristics, labelling and printing.
2. Control for sterility
  - ≥ 72 h @ 25 ± 1°C, aerobic
  - ≥ 72 h @ 36 ± 1°C, aerobic
3. Biological control
  - Incubation conditions: 18 ± 2 h @ 36 ± 1°C, aerobic

Control Strain	Antibiotic	Inhibition zone size (mm)	
		Lower Limit	Upper Limit
<i>Escherichia coli</i> ATCC® 35218 <sup>1)</sup>	Amoxicillin/Clavulanic Acid (AMC 30)	18	22
	Cefotaxime (CTX 30)	34	41
	Gentamicin (CN 10)	19	26
	Trimethoprim/Sulphamethoxazole (SXT 25)	22	26
<i>Enterococcus faecalis</i> ATCC® 29212 <sup>1)</sup>	Nitrofurantoin (F 100)	23	27
	Ampicillin (AMP 10)	26	32
	Ciprofloxacin (CIP 5)	21	27
<i>Staphylococcus aureus</i> ATCC® 29213 <sup>2)</sup>	Gentamicin (CN 10)	19	25
	Tetracycline (TE 30)	23	31
	Penicillin G (P1)	12	18
	Cefoxitin (FOX30)	24	30
<i>Pseudomonas aeruginosa</i> ATCC® 27853 <sup>2)</sup>	Aztreonam (ATM 30)	23	29
	Imipenem (IPM 10)	20	28
	Cefepime (FEP 30)	24	30

ATCC® is a registered trademark of American Type Culture Collection.

<sup>1)</sup>: tested according to DIN; <sup>2)</sup>: tested according to EUCAST/ CLSI