

ThermoFisher SCIENTIFIC	Document Owner Department: QC	BT-SPEC-0132
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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
MUELLER HINTON AGAR CM0337		

MUELLER-HINTON AGAR

CM0337

Typical Formula*

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

* adjusted as required to meet performance standards

Directions

Suspend 38g in 1 litre of distilled water. Bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C. Mix well and pour into sterile Petri dishes.

Physical Characteristics

Straw, free-flowing powder
 Colour on reconstitution - straw 2-3
 Moisture level - less than 7%
 pH 7.3 ± 0.1 at 25°C
 Clarity - clear
 Gel strength - firm comparable to 17.0g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Antibiotic susceptibility tests are performed in accordance to, and meet the acceptance limits of the current ISO/TS 16782.

<i>Staphylococcus aureus</i>	ATCC® 25923	WDCM00034
<i>Staphylococcus aureus</i>	ATCC® 29213	WDCM00131
<i>Staphylococcus aureus</i>	ATCC® 43300	WDCM00211
<i>Staphylococcus aureus</i>	NCTC 12493	WDCM00212
<i>Escherichia coli</i>	ATCC® 25922	WDCM00013
<i>Escherichia coli</i>	ATCC® 35218	
<i>Pseudomonas aeruginosa</i>	ATCC® 27853	WDCM00025
<i>Enterococcus faecalis</i>	ATCC® 33186	WDCM00210
<i>Enterococcus faecalis</i>	ATCC® 29212	WDCM00087
<i>Streptococcus pneumoniae</i>	ATCC® 49619	
<i>Haemophilus influenzae</i>	ATCC® 49247	
<i>Haemophilus influenzae</i>	ATCC® 49766	

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Microbiological Tests	Update to organisms tested and WDCM references where applicable	Update to ISO/TS 16782 following change control	BT-CC-1322