	Document Owner Department: QC	BT-SPEC-0114
		Page 1 of 3
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
WORT AGAR CM0247		

WORT AGAR

CM0247

Typical Formula*

Malt extract	grams per litre	15.0
Peptone		0.78
Maltose		12.75
Dextrin		2.75
Glycerol		2.35
Dipotassium phosphate		1.0
Ammonium chloride		1.0
Agar		15.0

*adjusted as required to meet performance standards

Directions

Suspend 50g in 1 litre of distilled water and bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes.

PROLONGED OR EXCESSIVE HEATING WILL DIMINISH THE GEL STRENGTH OF THE AGAR

Physical Characteristics

- Light coloured, free-flowing powder
- Colour on reconstitution – straw 3
- Moisture level - less than or equal to 7%
- pH - 4.8 ± 0.2 at 25°C
- Clarity - clear
- Gel strength - firm, comparable to 15.0g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution


Control Medium: Sabouraud Dextrose Agar

Reactions after incubation at 25°C for 2 days

Medium is challenged with 10-100 colony-forming units

Saccharomyces carlsbergensis ATCC®2700 1-2mm cream/straw colonies

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

	Document Owner Department: QC	BT-SPEC-0114
		Page 2 of 3
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
WORT AGAR CM0247		

Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Candida albicans</i>	ATCC®10231	1-2mm cream/straw colonies
<i>Saccharomyces cerevisiae</i>	ATCC®9763	1-2mm cream/straw colonies

For positive test strains inoculated using diminishing sweep technique, a satisfactory result is represented by growth in accordance with the specification.

Reactions after incubation at 30°C for 2 days


<i>Escherichia coli</i>	ATCC®25922	1-2mm straw/grey colonies
-------------------------	------------	---------------------------

Escherichia coli ATCC®25922 will only be inhibited if the pH of the medium is lowered to pH 3.8 by the addition of Lactic Acid SR0021

Reactions after incubation at 25°C for 5 days

<i>Microsporium gypseum</i>	ATCC®24101	Greater than 10mm colonies, white mycelia, white/brown spores
<i>Aspergillus brasiliensis</i>	ATCC®9642	Greater than 10mm colonies, white/yellow mycelia, black spores
<i>Penicillium rubens</i>	ATCC®9179	Greater than 10mm colonies, white mycelia, green spores

For positive test strains inoculated using diminishing sweep technique, a satisfactory result is represented by growth in accordance with the specification.

	Document Owner Department: QC	BT-SPEC-0114
		Page 3 of 3
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
WORT AGAR CM0247		

Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new document format and correction of typographical/minor errors. ATCC®9179 - change 'chrysogenum' to 'rubens'. Change ATCC®9642 'niger' to 'brasiliensis'.	Change control	BT-CC-1924