

MBD-BT-SPEC-0119

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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

BAIRD-PARKER MEDIUM CM0275

BAIRD-PARKER MEDIUM	CM0275	
Typical Formula*		
Tryptone	grams per litre	10.0
'Lab-Lemco' powder		5.0
Yeast extract		1.0
Sodium pyruvate		10.0
Glycine		12.0
Lithium chloride		5.0
Agar		20.0

^{*} adjusted as required to meet performance standards

Directions

Suspend 63g 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 and aseptically add 50ml of Egg Yolk Tellurite Emulsion (SR0054). Mix well and pour into sterile Petri dishes. Alternatively, 50ml of Egg Yolk Emulsion (SR0047) and 3ml of Potassium Tellurite 3.5% (SR0030) per litre of medium may be used.

Physical Characteristics

Straw, free-flowing powder
Colour on reconstitution - straw 2-3
Moisture level - less than or equal to 7.0%
pH 6.8 ± 0.2 at 25°C
Clarity - clear
Gel strength - firm, comparable to 20.0g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

Tested with the addition of 5% v/v Egg Yolk Tellurite Emulsion SR0054

Reactions after incubation at 37 ± 2°C for 24 ± 2 hours

Staphylococcus aureus ATCC®9144 Pinpoint black colonies with no zones to 1.5mm

shiny black colonies with clear zones

Staphylococcus epidermidis ATCC® 14990 No growth or ppt-1mm black colonies, no zones



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Reactions after incubation at 37 ± 2°C for 48 ± 2 hours

Medium is challenged with 10-100 colony-forming units

Staphylococcus aureus ATCC®9144 1-3mm shiny black colonies, white and clear

zones

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

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

Inoculation using diminishing sweep technique

Staphylococcus epidermidis ATCC®14990 No growth or ppt-1mm black colonies, no zones Proteus mirabilis ATCC®29906 No growth or 1-3mm brown/black colonies, no

zones

Staphylococcus epidermidis ATCC®14990 and Proteus mirabilis ATCC®29906 are inhibited or shall produce colonies with a negative diagnostic reaction (i.e. without white and clear zones).

Testing performed in accordance with ISO11133: 2014

Reactions after incubation at 37 ± 2°C for 24 ± 2 hours

Staphylococcus aureus	ATCC®25923	WDCM00034	Pinpoint black colonies with no zones to
			1.5mm shiny black colonies with clear
			zones
Staphylococcus aureus	ATCC®6538	WDCM00032	Pinpoint black colonies with no zones to
			1.5mm shiny black colonies with clear
			zones
Staph. saprophyticus	ATCC®15305	WDCM00159	No growth or ppt-1mm black colonies,
			no zones
Staphylococcus epidermidis	ATCC®12228	WDCM00036	No growth or ppt-1mm black colonies,
			no zones



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Reactions after incubation at 37 ± 2°C for 48 ± 2 hours

Medium is challenged with 50-120 colony-forming units

Staphylococcus aureus ATCC® 25923 WDCM00034 1-3mm shiny black colonies, white and

clear zones

Staphylococcus aureus ATCC®6538 WDCM00032 1-3mm shiny black colonies, white and

clear zones

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

Medium is challenged with 1E+03 to 1E+04 colony-forming units

Staph. saprophyticus ATCC®15305 WDCM00159 No growth or 0.5-2mm black colonies,

no zones

Staphylococcus epidermidis ATCC®12228 WDCM00036 No growth or ppt-1mm black colonies,

no zones

Staphylococcus saprophyticus ATCC®15305 and Staphylococcus epidermidis ATCC®12228 are inhibited or shall produce colonies with a negative diagnostic reaction (i.e. without white and clear zones).

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

Inoculation using diminishing sweep technique

Escherichia coli ATCC® 25922 WDCM00013 No growth Escherichia coli ATCC® 8739 WDCM00012 No growth

Negative strains are inhibited.



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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire	Updating to current format and	New format for upload to	N/A
document	correcting minor errors	Thermofisher website	