	Document Owner Department: QC	BT-SPEC-0276
		Page 1 of 3
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
BRILLIANCE™ SALMONELLA AGAR BASE CM1092		

BRILLIANCE™ SALMONELLA AGAR BASE

CM1092

Typical Formula*

	grams per litre	
Salmonella Inhibigen™ mix		14.0
Chromogenic mix		25.0
Agar		15.0

* adjusted as required to meet performance standards

Directions

Suspend 27g in 500ml of distilled water. Add the contents of 1 vial of Salmonella Selective Supplement (SR0194E) reconstituted as directed. With frequent agitation, bring to the boil to dissolve completely. Cool to 50°C. Mix well and pour into sterile Petri dishes. DO NOT AUTOCLAVE.

DO NOT OVERHEAT.

NOTE: It is critical that the selective supplement is added prior to heating.

Physical Characteristics

Off-white, free-flowing powder

Colour on reconstitution - white to pale pink

Moisture level - less than or equal to 7%

pH - 7.3 ± 0.1 at 25°C (unsupplemented medium)

pH - 7.3 ± 0.1 at 25°C (complete medium)

Clarity - opaque

Gel strength - firm, comparable to 15.0g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

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

Tested with the addition of Salmonella Selective Supplement SR0194

Medium is challenged with 10-100 colony-forming units

<i>Salmonella typhimurium</i>	ATCC® 14028	1-2 mm purple/pink colonies
<i>Salmonella enteritidis</i>	ATCC® 13076	1-2 mm purple/pink colonies
<i>Salmonella arizonae</i>	ATCC® 13314	1-4 mm purple/pink colonies

ThermoFisher SCIENTIFIC	Document Owner Department: QC	BT-SPEC-0276 Page 2 of 3
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
BRILLIANCE™ SALMONELLA AGAR BASE CM1092		

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+02 to 1E+04 colony-forming units

<i>Escherichia coli</i>	ATCC®25922	No growth or 1-2mm cream colonies
-------------------------	------------	-----------------------------------

Medium is challenged with greater than 1E+04 colony-forming units


<i>Pseudomonas aeruginosa</i>	ATCC®27853	No growth or 1-2mm pink colonies
-------------------------------	------------	----------------------------------

Negative strains are inhibited or shall produce at least a 2 log (10) reduction when compared to the control medium.

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

<i>Klebsiella pneumoniae</i>	ATCC®29665	1-3 mm mucoid, blue colonies
<i>Enterococcus faecalis</i>	ATCC®29212	No growth
<i>Proteus mirabilis</i>	NCTC10975	No growth or ppt-0.5mm straw colonies

Negative strains are inhibited or shall produce a negative diagnostic reaction.

	Document Owner Department: QC	BT-SPEC-0276
		Page 3 of 3
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
BRILLIANCE™ SALMONELLA AGAR BASE CM1092		

Revision History

Section / Step	Description of Change	Reason for Change	Reference
<i>Proteus mirabilis</i>	Update to testing specification	Change control	BT-CC-1849
Entire Document	Correction of typographical/minor errors.	Change control	BT-CC-1931
Microbiological Tests	Addition of Control Medium and Result Criteria. Addition of <i>Salmonella arizonae</i> ATCC®13314. Correction of <i>Escherichia coli</i> inocula to 1E+02 to 1E+04 colony-forming units.	Change control	BT-CC-1931