

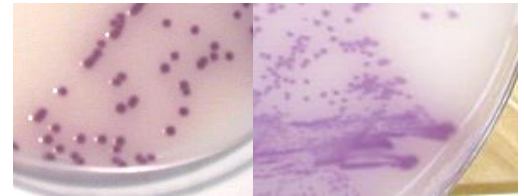
**PP2351 BRILLIANCE™ SALMONELLA AGAR PLATE**

**FORMULA**

Salmonella growth/nutrient mix	14.0	gm per Litre
Chromogenic Mix	25.0	
Agar	15.0	
Cefsulodin	12.0	mg per Litre
Novobiocin	5.0	

*Salmonella* Salford

*Salmonella* IIIb diarizonae  
lactose positive



pH = 7.3 ± 0.1

\* Formulation may be adjusted and/ or supplemented to meet performance criteria

**DESCRIPTION <sup>(1)</sup>**

Brilliance™ Salmonella agar (formerly OSCM II) is a selective medium for the presumptive identification of *Salmonella* spp. This medium contains selective Inhibigen™ technology, which significantly reduces the growth of non-*Salmonella* allowing clearer visualization of mixed cultures.

Due to the carefully selected combination of chromogens present, lactose-fermenting *Salmonella* are positively identified, as well as weak hydrogen sulphide producers on Brilliance™ Salmonella agar. This complements the ISO standard agar XLD <sup>(2)</sup> which poorly identifies lactose-positive strains <sup>(3)</sup>

The Inhibigen™ in Brilliance™ Salmonella agar is used to target *Escherichia coli*. Novobiocin and cefsulodin are added to the medium to inhibit growth of other competing flora such as *Proteus* spp. and pseudomonads.

**QUALITY CONTROL**

**ORGANISMS:** *S. Typhimurium* MVQC 0009 (ATCC™ 14028), *S. hofit* MVQC 0160 (IMVS 1799), lactose-positive *Salmonella* IIIb diarizonae MVCC 1026, *E. faecalis* MVQC 0005 (ATCC™ 29212), *K. pneumoniae* MVQC 0081 (ATCC™ 13883)

**SAMPLE NUMBER:** Sample size is determined in accordance with ASM Guidelines <sup>(4)</sup>.

**STERILITY:** Those plates not used for bacteriological testing and other quality assurance procedures must be incubated at 30°C for 3 days after which they are examined for sterility.

**INOCULUM:** As described in TFS MBD QSP 1105, inoculate the specified test organisms onto the media using Working Culture B (≤10<sup>2</sup>cfu) or Working Culture A (≥10<sup>4</sup>cfu).

**INCUBATION:** 22-26 hours / 35°C / aerobically

## EXPECTED RESULTS:

<b>S. typhimurium</b>	4 - 5+ purple colonies using Working Culture B
<b>S. hofit</b>	4 – 5+ purple colonies using Working Culture B
<b>Salmonella IIIb</b>	4 – 5+ purple colonies using Working Culture B
<b>E.faecalis</b>	<1+ inhibited using Working Culture A
<b>K.pneumoniae</b>	4 – 5+ Mucoid blue colonies using Working Culture B

## ALSO CHECKED AND RECORDED

1. Batch number correct
2. Colour
3. Clarity
4. Final pH – 7.3 ± 0.1
5. Gel strength
6. Sterility
7. Correctly Labelled – PP2351 BRILLIANCE SALMONELLA

**STORAGE**

A shelf life of 8 weeks applies when this product is stored at 2° – 8°C in its original packaging.

Store plates away from direct sunlight and overhead lighting

**REFERENCES**

1. Oxoid website Technical information CM1092 Brilliance Salmonella agar. Oxoid Limited, Basingstoke.  
[http://www.oxoid.com/UK/blue/prod\\_detail/prod\\_detail.asp?pr=CM1092&cat=&c=UK&lang=EN](http://www.oxoid.com/UK/blue/prod_detail/prod_detail.asp?pr=CM1092&cat=&c=UK&lang=EN)
2. AS5013.10-2009 (ISO 6579:2002). *Food microbiology. Method 10: Microbiology of food and animal feeding stuffs – horizontal method for the detection of Salmonella spp.*2009. Standards Australia, Sydney.
3. Stringer, J.R., A. Thomas, R. Bovill, and P.J. Stephens. *Evaluation of a New Chromogenic Plating Medium for the Isolation and Presumptive Identification of Salmonella.* Poster presentation, Aust. Soc. Microbiol. 2006 P20.08.
4. *Guidelines for Assuring Quality of Food and Water Microbiological Culture Media.* 2014. Culture Media Special Interest Group, Australian Society for Microbiology.