

Product Specification Sheet

Brilliant Green Agar (Modified)

Intended Usage: A selective and diagnostic agar for salmonellae other than *Salmonella* Typhi.

For professional use only.

PO5033A	
Version: 03	Revision Date: 11 May 2020

Thermo Scientific™ Brilliant Green Agar (Modified)

Form of Product	Poured plate
Storage	2 – 12°C, dark
Filling weight	17 g ± 5 %
Packaging	10 plates wrapped in film
pH	6.9 ± 0.2
Appearance	Ocher brown, transparent
Shelf life	12 weeks
Intended Usage	A selective and diagnostic agar for salmonellae other than <i>Salmonella</i> Typhi. For professional use only.
Technique	Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0329.

Typical formulation*	g/l
'Lab-Lemco' powder	5.0
Peptone	10.0
Yeast extract	3.0
Disodium hydrogen phosphate	1.0
Sodium dihydrogen phosphate	0.6
Lactose	10.0
Sucrose	10.0
Phenol red	0.09
Brilliant green	0.0047
Agar	12.0

*Adjusted as required to meet performance standards.

Quality Control

1. Control for general characteristics, labelling and printing.
2. Contamination check
 ≥ 72 h @ 20 – 25 °C, aerobic
 ≥ 72 h @ 30 – 35 °C, aerobic
3. Microbiological control

Positive Controls	Growth
Inoculum 50 - 120 colony forming units (cfu), quantitative Incubation conditions: 18 – 48 h @ 36 ± 1°C, aerobic	
<i>Salmonella</i> Typhimurium ATCC® 14028™	2 – 3 mm, rose shiny colonies on pink medium.
Colony counts shall be ≥ 50% of the control medium TSA.	
Inoculum 10³-10⁴ cfu, qualitative, control medium COL+SB Incubation conditions: 18 – 48 h @ 36 ± 1°C, aerobic	
<i>Salmonella</i> Enteritidis ATCC® 13076™	Good growth, rose shiny colonies.

Negative Control	Growth
Inoculum ≥10⁴ cfu, quantitative, control medium TSA Incubation conditions: 18 – 48 h @ 36 ± 1°C, aerobic	
<i>Escherichia coli</i> ATCC® 8739™	Complete inhibition (≤ 10 cfu).

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