



TECHNICAL DATA SHEET

DESCRIPTION BISMUTH SULPHITE AGAR (DEEP FILL), 90MM PLATES
SGL PRODUCT CODE 8008

Bismuth Sulphite agar is a selective agar for the isolation and primary identification of Salmonella typhi and other salmonellae from pathological material, sewage, water supplies, food and other sample types. The medium complies with the requirements of ISO 6579.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein	5.0 g
Enzymatic digest of animal tissue	5.0 g
Beef extract	5.0 g
Glucose	5.0 g
Disodium phosphate	4.0 g
Ferrous sulphate	0.3 g
Bismuth sulphite indicator	8.0 g
Brilliant green	0.025 g
Agar	20.0 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Greyish yellow to pale green coloured gel
pH at 20-25°C	7.6 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 20-25°C for 5 days	No growth detected
Incubation at 35-37°C for 5 days	No growth detected
Incubation at 42-45°C for 5 days	No growth detected



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIMB 8545	Inhibited compared to control, small green to brown colonies at 35-37°C incubation after not more than 1 day
<i>Salmonella enteritidis</i> NCTC 5188	Good growth compared to control, black centred colony with light edges surrounded by a black precipitate with a metallic lustre at 35-37°C incubation after not more than 1 day
<i>Salmonella typhimurium</i> ATCC 14028 NCTC 12023	Good growth compared to control, black centred colony with light edges surrounded by a black precipitate with a metallic lustre at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788	Inhibited compared to control at 35-37°C incubation after not more than 1 day

NMT = Not more than

NLT = Not less than

CFU = Colony forming units

Additional specification testing may be performed as requested by the customer.

Manufactured in compliance with ISO 9001 (Ref No FM37824) and tested in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).