



TECHNICAL DATA SHEET

DESCRIPTION VIOLET RED BILE GLUCOSE AGAR (VRBGA), 90MM PLATES
SGL PRODUCT CODE 8088

A medium used for the detection and enumeration of Enterobacteriaceae in food, animal feed and environmental samples as described in the European Pharmacopoeia (EP) 2.6.13, United States Pharmacopoeia (USP) <61>, ISO21528 and ISO 11133.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Yeast extract	3.0 g
Pancreatic digest of gelatin	7.0 g
Bile salts	1.5 g
Sodium chloride	5.0 g
Glucose	10.0 g
Neutral red	0.03 g
Crystal violet	0.002 g
Agar	17.0 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Clear, red/purple coloured gel
pH at 20-25°C	7.4 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 20-25°C for 5 days	No growth detected
Incubation at 30-35°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 NMT 100 CFU inoculum	≥50% CFU recovery compared to control, pink to red colonies with or without precipitation halo at 36-38°C incubation after not more than 1 day
<i>Salmonella enteritidis</i> ATCC 13076 NMT 100 CFU inoculum	≥50% CFU recovery compared to control, pink to red colonies with or without precipitation halo at 36-38°C incubation after not more than 1 day
<i>Salmonella typhimurium</i> ATCC 14028 NCTC 12023 NMT 100 CFU inoculum	≥50% CFU recovery compared to control, pink to red colonies with or without precipitation halo at 36-38°C incubation after not more than 1 day
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIMB 8545 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 30-35°C incubation after not more than 1 day
<i>Pseudomonas aeruginosa</i> ATCC 9027 NCTC 12924 NCIMB 8626 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 30-35°C incubation after not more than 1 day
<i>Enterococcus faecalis</i> ATCC 19433 NCTC 775 NLT 1000 CFU inoculum	Total inhibition at 36-38°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).