



TECHNICAL DATA SHEET

DESCRIPTION VIOLET RED BILE LACTOSE AGAR (VRBA), BOTTLED
SGL PRODUCT CODE 9064

A medium for the enumeration of coliform organisms in food and animal feedingstuffs. Microorganisms able to ferment lactose produce characteristic red/purple colonies, usually surrounded by a red/purple halo.

The medium complies with the specification of ISO11133, ISO 4832 & FDA-BAM.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Yeast extract	3.0 g
Enzymatic digest of animal tissue	7.0 g
Bile salts	1.5 g
Lactose	10.0 g
Neutral red	0.03 g
Crystal violet	0.002 g
Agar	12.0 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Translucent dark pink gel
pH at 20-25°C	7.4 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°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 NCIB 8545 NMT 100 CFU inoculum	≥50% CFU recovery compared to control, purplish-red colonies with or without precipitate halo at 29-31°C incubation after not more than 1 day
<i>Enterococcus faecalis</i> ATCC 19433 NCTC 775 NLT 1000 CFU inoculum	Total inhibition at 29-31°C incubation after not more than 1 day
<i>Pseudomonas aeruginosa</i> ATCC 27853 NCTC 12934 NLT 1000 CFU inoculum	Weak or strong growth, colourless to beige colonies at 29-31°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).