



TECHNICAL DATA SHEET

DESCRIPTION MARINE AGAR, 90MM PLATES

SGL PRODUCT CODE 7620

A medium used for the cultivation of heterotrophic marine bacteria. The medium contains minerals that nearly duplicate the major mineral composition of sea water, in addition to peptone and yeast extract that provide a good source of nutrients.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptone	5.0 g
Yeast extract	1.0 g
Ferric citrate	0.1 g
Sodium chloride	19.4-19.5 g
Magnesium chloride	8.8 g
Sodium sulphate	3.24 g
Calcium chloride	1.8 g
Potassium chloride	0.55 g
Sodium bicarbonate	0.16 g
Potassium bromide	0.08 g
Strontium chloride	0.034 g
Boric acid	0.022 g
Sodium silicate	0.004 g
Sodium fluoride	0.0024 g
Ammonium nitrate	0.0016 g
Disodium phosphate	0.008 g
Agar	15.0 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Light amber, opalescent gel. Possible slight precipitate and dark particles
pH at 20-25°C	7.6 ± 0.2

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



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Vibrio harveyi</i> NCIMB 1280 ATCC 14126	Good growth compared to control at 20-25°C incubation after not more than 3 days
<i>Vibrio parahaemolyticus</i> NCTC 10903 ATCC 17802 WDCM 00037	Good growth compared to control at 20-25°C incubation after not more than 3 days

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 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).