



TECHNICAL DATA SHEET

DESCRIPTION M-ENDO AGAR LES, 90MM PLATES
SGL PRODUCT CODE 8110

A medium also known as Membrane Endo Agar, used for the enumeration of coliforms in water using the membrane filtration method. The medium complies with the requirements of the APHA Standard Method for the examination of water and wastewater.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Lactose	9.4 g
Tryptose	7.5 g
Enzymatic Digest of Casein	3.7 g
Enzymatic Digest of Animal Tissue	3.7 g
Sodium chloride	3.7 g
Dipotassium hydrogen phosphate	3.3 g
Sodium sulphite	1.6 g
Yeast extract	1.2 g
Potassium dihydrogen phosphate	1.0 g
Basic fuchsin	0.8 g
Sodium deoxycholate	0.1 g
Sodium lauryl sulphate	0.05 g
Agar	15.0 g
Purified water	1000 ml
Ethanol	20 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Red coloured gel, no to low number of purple particles may be present
pH at 20-25°C	7.2 ± 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 25922 WDCM 00013 NMT 100 CFU inoculum	>50% CFU recovery compared to control, red colonies with metallic sheen at 35-37°C incubation after not more than 1 day
<i>Enterobacter aerogenes</i> ATCC 13048 WDCM 00175 NMT 100 CFU inoculum	>50% CFU recovery compared to control, red colonies with metallic sheen at 35-37°C incubation after not more than 1 day
<i>Enterococcus faecalis</i> ATCC 19433 WDCM 00009 NLT 10000 CFU inoculum	Total inhibition at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 25923 WDCM 00034 NLT 10000 CFU inoculum	Total inhibition 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 by a UKAS (ISO 17025) accredited laboratory (Ref. No. 4356).