



TECHNICAL DATA SHEET

DESCRIPTION IRON SULPHITE AGAR, 90MM PLATES
SGL PRODUCT CODE 8156

A medium also known as Sulfite Iron or Tryptose Sulfite medium, used for the detection of thermophilic anaerobic organisms, particularly those causing sulphide spoilage in food. The medium complies with the requirements of ISO 15213, ISO 6461 and ISO 11133

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein	10.0 g
Sodium sulphite	0.5 g
Iron (III) citrate	0.5 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	Straw-grey coloured gel
pH at 20-25°C	7.1 ± 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>Clostridium sporogenes</i> ATCC 19404 NCTC 532	Growth equivalent to control + blackening of the medium at 35-37°C anaerobic incubation after not more than 1 day
<i>Escherichia coli</i> ATCC 25922 NCTC 12241	Growth equivalent to control + no blackening of the medium 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).