



TECHNICAL DATA SHEET

DESCRIPTION THIOGLYCOLLATE MEDIUM, BOTTLED
SGL PRODUCT CODE 0588

An enrichment medium also known as fluid thioglycollate medium designed to recover a wide range of predominantly anaerobic micro-organisms as described in the European Pharmacopoeia (EP) 2.6.1 and United States Pharmacopoeia (USP) <71> sterility tests. The medium contains resazurin indicator which turns pink/red in the presence of oxygen. If more than the upper one third of the medium has acquired a pink/red colour, the medium may be restored once by heating the bottles in a water bath or in free flowing steam until the pink/red colour disappears. Cool quickly taking care to prevent the introduction of non-sterile air into the bottles.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
L-cystine	0.5 g
Agar	0.75 g
Sodium chloride	2.5 g
Glucose monohydrate (or Glucose anhydrous)	5.5 g (or 5.0g)
Yeast extract	5.0 g
Pancreatic digest of casein	15.0 g
Sodium thioglycollate	0.5 g
Resazurin sodium	0.001 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 to slight haze, straw coloured liquid. A red/pink layer may be present in the upper part of the medium (see description)
pH at 20-25°C	7.1 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 30-35°C for 14 days	No growth detected

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Clostridium sporogenes</i> ATCC 19404 NMT 100 CFU inoculum	Growth detected at 30-35°C incubation after not more than 3 days
<i>Pseudomonas aeruginosa</i> ATCC 9027 NMT 100 CFU inoculum	Growth detected at 30-35°C incubation after not more than 3 days
<i>Staphylococcus aureus</i> ATCC 6538 NMT 100 CFU inoculum	Growth detected at 30-35°C incubation after not more than 3 days



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Kocuria rhizophila</i> (<i>Micrococcus luteus</i>) ATCC 9341 NMT 100 CFU inoculum	Growth detected at 30-35°C incubation after not more than 3 days
<i>Bacteroides vulgatus</i> ATCC 8482 NMT 100 CFU inoculum	Growth detected at 30-35°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).