



TECHNICAL DATA SHEET

DESCRIPTION MULLER-KAUFFMANN ENRICHMENT BROTH (MKTTn),
BOTTLED

SGL PRODUCT CODE 3134

A medium used for the selective enrichment of *Salmonella* species from food, animal feed and other materials.

This product complies with the specification given by EN ISO 6579 and EN ISO/FDIS 6579-1.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Meat extract	4.3 g
Enzymatic digest of casein	8.6 g
Sodium chloride	2.6 g
Calcium carbonate	38.7 g
Sodium thiosulphate	30.45 g
Ox bile	4.78 g
Brilliant green	0.0096 g
Potassium iodide	5.0 g
Iodine	4.0 g
Novobiocin	0.04 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Green, clear or hazy with white deposit
pH at 20-25°C	8.0 approx. and 7.0 minimum at expiry

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°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>Salmonella enteritidis</i> ATCC 13076 NCTC 12694 NMT 100 CFU inoculum	Recovery from mixed culture: >10cfu in 10µl after 35-37°C incubation for 1 day + subculture to selective agar
<i>Escherichia coli</i> ATCC 8739 NCIMB 8545 NLT 1000 CFU inoculum	Partial inhibition ≤100 colonies on TSA after 35-37°C incubation for 1 day + subculture
<i>Enterococcus faecalis</i> ATCC 19433 NCTC 775 NLT 1000 CFU inoculum	Partial inhibition ≤10 colonies on TSA after 35-37°C incubation for 1 day + subculture



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).