



TECHNICAL DATA SHEET

DESCRIPTION KANAMYCIN AESCULIN AZIDE AGAR (KAA AGAR),
BOTTLED

SGL PRODUCT CODE 9070

A selective medium used for the isolation, differentiation and enumeration of enterococci (Lancefield group D streptococci) in foodstuffs, water and other materials.

Non-target organisms are inhibited by kanamycin and sodium azide, and the aesculin and ferric ammonium citrate form an indicator for presumptive identification.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of casein	20.0 g
Yeast extract	5.0 g
Sodium chloride	5.0 g
Sodium citrate	1.0 g
Aesculin	1.0 g
Ferric ammonium citrate	0.5 g
Sodium azide	0.15 g
Kanamycin sulphate	0.02 g
Agar	10.0 - 15.0g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Translucent gel, light brown with a blue opalescent tint
pH at 20-25°C	7.1 ± 0.3

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>Enterococcus faecalis</i> ATCC 19433 NCTC 775	Good growth, comparable to control plates with zone of aesculin hydrolysis (blackening) around colonies at 35-37°C incubation after not more than 1 day
<i>Bacillus subtilis</i> ATCC 6633 NCTC 10400	No growth at 35-37°C incubation after not more than 1 day



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIB 8545	No growth 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).