TECHNICAL DATA SHEET

DESCRIPTION GLUCOSE YEAST EXTRACT AGAR, BOTTLED
SGL PRODUCT CODE 4878

A medium used for detection, cultivation and enumeration of spore-forming organisms, for example Bacillus spp. in various sample types by promoting sporulation.

The medium complies with the recommendations of BS EN 13704 Chemical disinfectants. Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Casein hydrolysate (acid)	1.0 g
Soluble Starch	1.0 g
Glucose	2.5 g
Yeast Extract	5.0 g
Iron Sulphate	0.1 g
Manganese Sulphate (4-hydrate)	0.0001 g
Agar	15.0 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Transparent, pale straw/beige coloured gel
pH at 20-25°C	6.8 ± 0.2

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 22-25°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
Bacillus subtilis ATCC 6633 NCTC 10400 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 35-37°C incubation after not more than 1 day
Bacillus cereus ATCC 10876 NCTC 7464 NMT 100 CFU inoculum	≥50% CFU recovery compared to control 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.

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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).