



TECHNICAL DATA SHEET

DESCRIPTION DICHLORAN GLYCEROL AGAR (DG18), CONTACT PLATES
SGL PRODUCT CODE 8425

A selective low water activity (a_w) medium used for the selective isolation and enumeration of osmophilic yeasts and xerophilic moulds from food samples as described in ISO 21527 and ISO 11133.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of animal tissue	5.0 g
Glucose	10.0 g
Potassium dihydrogen phosphate	1.0 g
Magnesium sulphate	0.5 g
Dichloran	0.002 g
Glycerol	220.0 g
Chloramphenicol	0.1 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	Clear, pale straw coloured gel
pH at 20-25°C	5.6 ± 0.3

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>Saccharomyces cerevisiae</i> ATCC 9763 NCTC 10716 NMT 100 CFU inoculum	Good growth: ≥50% CFU recovery, characteristic colony types compared to control at 28-32°C incubation after not more than 5 days
<i>Wallemia sebi (mellicola)</i> ATCC 42694 NCTC 10716 NMT 100 CFU inoculum	Good growth: ≥50% CFU recovery, characteristic colony types compared to control at 28-32°C incubation after not more than 5 days
<i>Bacillus subtilis</i> ATCC 6633 NCTC 10400 NLT 1000 CFU inoculum	No growth at 22-25°C incubation after not more than 5 days
<i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIMB 8545 NLT 1000 CFU inoculum	No growth at 22-25°C incubation after not more than 5 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) and tested in accordance with ISO 11133 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).