



TECHNICAL DATA SHEET

DESCRIPTION DICHLORAN ROSE BENGAL CHLORAMPHENICOL (DRBC)
 AGAR, BOTTLED
SGL PRODUCT CODE 4820

A selective medium for the enumeration of moulds and yeasts, particularly those present in food and animal feedingstuffs. The presence of chloramphenicol inhibits bacterial growth and the dichloran limits the colony size of rapidly growing species.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Peptic 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
Chloramphenicol	0.1 g
Rose Bengal	0.025 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	Translucent pink gel
pH at 20-25°C	5.6 ± 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>Saccharomyces cerevisiae</i> ATCC 9763 NCTC 10716 WDCM 00058 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 25±1°C incubation after 5 days
<i>Aspergillus brasiliensis</i> ATCC16404 NCPF 2275 WDCM 00053 NMT 100 CFU inoculum	≥50% CFU recovery compared to control at 25±1°C incubation after 5 days
<i>Escherichia coli</i> ATCC 25922 NCTC 12241 WDCM 00013 NLT 1000 CFU inoculum	No growth at 25±1°C incubation after 5 days
<i>Bacillus subtilis</i> ATCC 6633 NCTC 10400 WDCM 00003 NLT 1000 CFU inoculum	No growth at 25±1°C incubation after 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).