



TECHNICAL DATA SHEET

DESCRIPTION COLUMBIA AGAR + 5% HORSE BLOOD, 90MM PLATES
SGL PRODUCT CODE 8022

Columbia agar with blood is used for the isolation and cultivation of a wide variety of fastidious microorganisms, and for determining the haemolytic reactions of a variety of microorganisms.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Enzymatic digest of animal tissue & casein	23.0
Starch	1.0
Sodium chloride	5.0
Sterile defibrinated horse blood	50.0 ml
Agar	12.0 g
Purified water	1000 ml

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

QUALITY CONTROL SPECIFICATION

PHYSICAL TESTS	SPECIFICATION CRITERIA
Appearance	Opaque, blood red coloured gel
pH at 20-25°C	7.3 ± 0.2

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>Bacillus subtilis</i> 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
<i>Candida albicans</i> ATCC 10231 NCPF 3179 NMT 100 CFU inoculum	>50% CFU recovery compared to control at 35-37°C incubation after not more than 2 days
<i>Clostridium sporogenes</i> ATCC 19404 NCTC 532 NMT 100 CFU inoculum	>50% CFU recovery compared to control at 35-37°C anaerobic incubation after not more than 1 day
<i>Pseudomonas aeruginosa</i> ATCC 27853 NCTC 12903 NMT 100 CFU inoculum	>50% CFU recovery compared to control at 35-37°C incubation after not more than 1 day
<i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788 NMT 100 CFU inoculum	>50% CFU recovery compared to control at 35-37°C incubation after not more than 1 day
<i>Campylobacter jejuni</i> NCTC 11322 NMT 100 CFU inoculum	≥70% CFU recovery compared to control at 35-37°C microaerophilic incubation after not more than 2 days



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Campylobacter coli</i> ATCC 43478 NCTC 13638 NMT 100 CFU inoculum	≥70% CFU recovery compared to control at 35-37°C microaerophilic incubation after not more than 2 days
<i>Listeria monocytogenes</i> ATCC 19111	Strong haemolysis at 35-37°C incubation after not more than 1 day
<i>Listeria innocua</i> ATCC 33090	Weak haemolysis 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).