



TECHNICAL DATA SHEET

DESCRIPTION COLUMBIA BLOOD AGAR BASE, BOTTLED
SGL PRODUCT CODE 4021

An enrichment medium also known as Columbia agar designed to recover *Clostridia*. The formulation is described in the European Pharmacopoeia (EP) 2.6.13 and United States Pharmacopoeia (USP) <62>.

FORMULATION

Typical product composition*:

COMPONENT	WEIGHT / VOLUME
Pancreatic digest of casein	10.0 g
Meat peptic digest	5.0 g
Heart pancreatic digest	3.0 g
Yeast extract	5.0 g
Maize starch	1.0 g
Sodium chloride	5.0 g
Agar	10.0 – 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	Opaque, light brown coloured gel
pH at 20-25°C	7.3 ± 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

GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Escherichia coli</i> ATCC 8739	Good growth detected at 35-37°C incubation after 18-24 hours when agar is supplemented with 10% defibrinated horse blood
<i>Staphylococcus aureus</i> ATCC 6538	Good growth detected at 35-37°C incubation after 18-24 hours when agar is supplemented with 10% defibrinated horse blood
<i>Streptococcus pneumoniae</i> ATCC 6301	Good growth detected at 35-37°C incubation after 18-24 hours. α haemolysis of horse blood in CO ₂ when agar is supplemented with 10% defibrinated horse blood



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Streptococcus pyogenes</i> ATCC 12344	Good growth detected at 35-37°C incubation after 18-24 hours. α haemolysis of horse blood when agar is supplemented with 10% defibrinated horse blood

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).