



TECHNICAL DATA SHEET

DESCRIPTION COLUMBIA AGAR + 5% HORSE BLOOD + 0.5% YEAST EXTRACT, 90MM PLATES

SGL PRODUCT CODE 8022Y

Columbia agar with blood and yeast extract 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
Columbia peptone mixture	23.0 g
Starch	1.0 g
Sodium chloride	5.0 g
Sterile defibrinated horse blood	50.0 ml
Yeast extract	5.0 g
Agar	10.0-12.0 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 ± 0.3

STERILITY TESTS	SPECIFICATION CRITERIA
Incubation at 20-25°C for a minimum of 5 days	No growth detected
Incubation at 35-37°C for a minimum of 5 days	No growth detected



GROWTH PROMOTION / INHIBITION TESTS	SPECIFICATION CRITERIA
<i>Escherichia coli</i> ATCC 8739	Good growth compared to control at 35-37°C incubation after not more than 48hrs
<i>Staphylococcus aureus</i> ATCC 6538	Good growth compared to control at 35-37°C incubation after not more than 48hrs
<i>Pasteurella</i> species SGL Code PSK	Good growth compared to control at 22-25°C incubation after not more than 4 days
<i>Streptococcus pneumoniae</i> ATCC 6301	Good growth compared to control at 35-37°C incubation after not more than 48hrs. Colonies exhibit alpha haemolysis of the blood (green colour of agar)
<i>Streptococcus pyogenes</i> ATCC 12344	Good growth compared to control at 35-37°C incubation after not more than 48 hrs. Colonies exhibit beta haemolysis of the blood (clear zone around colonies)

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).