



## TECHNICAL DATA SHEET

**DESCRIPTION** COLUMBIA CNA AGAR, 90MM PLATES  
**SGL PRODUCT CODE** 8022CNA

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. The inclusion of colistin sulphate and nalidixic acid make the medium selective for Staphylococci and Streptococci.

### FORMULATION

Typical product composition\*:

| COMPONENT                                  | WEIGHT / VOLUME |
|--------------------------------------------|-----------------|
| Enzymatic digest of animal tissue & casein | 23.0            |
| Starch                                     | 1.0             |
| Sodium chloride                            | 5.0             |
| Colistin sulphate                          | 0.01 g          |
| Nalidixic acid                             | 0.015 g         |
| 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 or translucent, blood red 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     |
| Incubation at 42-45°C for 5 days | No growth detected     |

| GROWTH PROMOTION / INHIBITION TESTS                     | SPECIFICATION CRITERIA                                                                                |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <i>Proteus mirabilis</i> ATCC 29906 NCTC 11938          | Inhibited compared to control at 35-37°C incubation after not more than 1 day                         |
| <i>Escherichia coli</i> ATCC 8739 NCTC 12923 NCIMB 8545 | Inhibited compared to control at 35-37°C incubation after not more than 1 day                         |
| <i>Staphylococcus aureus</i> ATCC 6538 NCTC 10788       | Good growth compared to control at 35-37°C incubation after not more than 1 day                       |
| <i>Streptococcus pyogenes</i> ATCC 12344 NCTC 8198      | Good growth compared to control, with beta 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 by a UKAS (ISO 17025) accredited laboratory (Ref No. 4356).