

Product Specification Sheet

Columbia Agar with Sheep Blood ^{PLUS}

Intended Usage: A medium for the growth of fastidious organisms with clearly visible haemolytic reactions.

For professional use only.

| | |
|----------------|----------------------------|
| PB5039A | |
| Version: 05 | Revision Date: August 2021 |

Thermo Scientific™ Columbia Agar with Sheep Blood PLUS

| | |
|-----------------|--|
| Form of Product | Poured plate |
| Storage | 2 – 12°C, dark |
| Filling weight | 17 g ± 5 % |
| Packaging | 10 plates wrapped in film |
| pH | 7.3 ± 0.2 |
| Appearance | Traffic red, opaque |
| Shelf life | 12 weeks |
| Intended Usage | A medium for the growth of fastidious organisms with clearly visible haemolysis forms. For professional use only. |
| Technique | Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0331. |

| Typical formulation* | g/l |
|--------------------------|---------|
| Special peptone | 23.0 |
| Starch | 1.0 |
| Sodium chloride | 5.0 |
| Agar | 10.0 |
| Defibrinated Sheep Blood | 50.0 ml |

*Adjusted as required to meet performance standards.

Quality Control

1. Control for general characteristics, labelling and printing.
2. Contamination check
 ≥ 72 h @ 20 – 25 °C, aerobic
 ≥ 72 h @ 30 – 35 °C, aerobic
3. Microbiological control

| Positive Control | Growth |
|--|--|
| Inoculum 50 – 120 colony forming units (cfu), quantitative Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic | |
| <i>Streptococcus pyogenes</i> ATCC®12344™ | 1 – 2 mm, light grey colonies with β-haemolysis. |
| Colony counts shall be ≥ 50% of the control medium COL+SB. | |
| Inoculum 10³ – 10⁴ cfu, qualitative, control medium COL+SB Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic | |
| <i>Staphylococcus aureus</i> ATCC®25923™ | Good growth, white colonies. |
| <i>Staphylococcus aureus</i> ATCC®6538™ | Good growth, yellow colonies with haemolysis. |
| <i>Streptococcus pneumoniae</i> ATCC®6305™ | Good growth, dark grey colonies with α-haemolysis. |
| <i>Pseudomonas aeruginosa</i> ATCC®9027™ | Good growth, grey shiny colonies. |
| <i>Escherichia coli</i> ATCC®8739™ | Good growth, dark grey colonies. |

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