# thermoscientific

# 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 |

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## 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.<br>For professional use only. |
| Technique | Depends on the different methods.<br>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.

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## 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** | |
| *Streptococcus pyogenes* ATCC®12344™ | 1 – 2 mm, light grey colonies with ß-haemolysis. |
| Colony counts shall be ≥ 50% of the control medium COL+SB. | |
| **Inoculum $10^3$ – $10^4$ cfu, qualitative, control medium COL+SB** **Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic** | |
| *Staphylococcus aureus* ATCC®25923™ | Good growth, white colonies. |
| *Staphylococcus aureus* ATCC®6538™ | Good growth, yellow colonies with haemolysis. |
| *Streptococcus pneumoniae* ATCC®6305™ | Good growth, dark grey colonies with α-haemolysis. |
| *Pseudomonas aeruginosa* ATCC®9027™ | Good growth, grey shiny colonies. |
| *Escherichia coli* ATCC®8739™ | Good growth, dark grey colonies. |

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