

Product Specification Sheet

Edwards Medium with Sheep Blood (modified)

Intended Usage: A selective medium for the rapid isolation of *Streptococcus agalactiae* and other streptococci involved in bovine mastitis.

For professional use only.

| | |
|----------------|----------------------------|
| PB5080A | |
| Version: 03 | Revision Date: 25 May 2020 |

Thermo Scientific™ Edwards Medium with Sheep Blood (modified)

| | |
|-----------------|--|
| Form of Product | Poured plate |
| Storage | 2 – 12°C, dark |
| Filling weight | 19.0 ± 2.0 g |
| Packaging | 10 plates wrapped in film |
| pH | 7.4 ± 0.2 |
| Appearance | Ruby red, opaque |
| Shelf life | 8 weeks |
| Intended Usage | A selective medium for the rapid isolation of <i>Streptococcus agalactiae</i> and other streptococci involved in bovine mastitis. For professional use only. |
| Technique | Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0027. |

| Typical formulation* | g/l |
|--------------------------|---------|
| 'Lab-Lemco' powder | 10.0 |
| Peptone | 10.0 |
| Aesculin | 1.0 |
| Sodium chloride | 5.0 |
| Crystal violet | 0.0013 |
| Thallos sulphate | 0.33 |
| Agar | 15.0 |
| Defibrinated sheep blood | 80.0 ml |

*Adjusted as required to meet performance standards.

Quality Control

1. Control for general characteristics, labelling and printing.
2. Contamination check
≥ 72 h @ 30 – 34°C
3. Microbiological control

| Positive Controls | Growth |
|--|-----------------------------------|
| Inoculum 10 – 100 colony forming units (cfu) Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic | |
| <i>Streptococcus agalactiae</i> ATCC® 13813™ | 1 mm, grey shiny colonies |
| <i>Enterococcus faecalis</i> ATCC® 29212™ | Pale straw colonies, β haemolysis |
| Colony counts shall be ≥ 50% of the control medium (Columbia Blood Agar). | |

| Negative Controls | Growth |
|--|--------------------------------|
| Inoculum 10 ⁴ – 10 ⁵ cfu Incubation conditions: 18 – 24 h @ 36 ± 1°C, aerobic | |
| <i>Escherichia coli</i> ATCC® 25922™ | Complete inhibition (≤ 10 cfu) |
| <i>Staphylococcus epidermidis</i> ATCC® 12228™ | Complete inhibition (≤ 10 cfu) |

ATCC® registered trademark of American Type Culture Collection.