

BLUE BROTH

A differential medium for the differentiation of lactose-positive microorganisms from lactose-negative ones.

| Dehydrated media | |
|--------------------------------|---------------------------------|
| Code number: | 500 g: BLB20500, 5 kg: BLB25000 |
| Colour: | Beige |
| Appearance: | Homogeneous hygroscopic powder |
| pH before autoclaving (25 °C): | 7,0 – 7,4 |

Direction: Suspend **38 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into test tubes and sterilise by autoclaving at 121 °C for 15 minutes.

| Prepared media | |
|-----------------------|------------------------------------|
| Bottled media: | 100 ml: BLB30100, 500 ml: BLB30500 |
| Tubed media: | 150 x 15 mm: BLB40010 (10 ml) |
| Colour: | Green |
| pH (25 °C): | 7,1 – 7,3 |

Direction: Dispense the bottled media aseptically into sterile test tubes. Media in tubes are ready to use.

FORMULA in g/l

| | |
|--------------------|-------|
| Peptones | 10,00 |
| Lactose | 20,00 |
| Sodium chloride | 4,00 |
| Potassium sulphate | 2,00 |
| Ammonium sulphate | 1,00 |
| Magnesium sulphate | 0,50 |
| Bromothymol blue | 0,04 |
| Buffers | 0,50 |

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled and tubed media protected from light at room temperature. Use before the expiry date on the label.

Quality control:

| Test strains | Incubation temp: 37 °C | Growth | Incubation time: 24 h |
|--------------------------|------------------------|-----------------------------------|-----------------------|
| <i>Escherichia coli</i> | ATCC 25922 | Positive: colour change to yellow | |
| <i>Proteus mirabilis</i> | ATCC 29906 | Negative: without colour change | |

For professional use only!