

BROMOCRESOL PURPLE LACTOSE AGAR

A lactose containing differential medium for the detection and enumeration of coliforms.

| Dehydrated media | |
|--------------------------------|---------------------------------|
| Code number: | 500 g: BPL20500, 5 kg: BPL25000 |
| Colour: | Beige |
| Appearance: | Homogeneous hygroscopic powder |
| pH before autoclaving (25 °C): | 6,8 – 7,2 |

Direction: Suspend **41,5 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes.

| Prepared media | |
|-----------------------|------------------------------------|
| Bottled media: | 100 ml: BPL30100, 500 ml: BPL30500 |
| Plated media: | 55 mm: BPL50055, 90 mm: BPL50090 |
| Colour: | Purple |
| pH (25 °C): | 6,9 – 7,1 |

Direction: Dispense the melted bottled media aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

| | |
|--------------------|--------|
| Peptones | 11,500 |
| Lactose | 10,000 |
| Sodium chloride | 5,000 |
| Bromocresol purple | 0,015 |
| Agar | 15,000 |

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 media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. 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 | Good, yellow colonies | |
| <i>Salmonella typhimurium</i> | ATCC 14028 | Good, purple colonies | |

References: Lenette et al. (1985) Manual of Clinical Microbiology, 4th ed.

For professional use only!