

A-1 BROTH BASE

A selective and differential medium for the detection of coliforms.

| Dehydrated media | |
|--------------------------------|---------------------------------|
| Code number: | 500 g: A1B20500, 5 kg: A1B25000 |
| Colour: | Yellowish |
| Appearance: | Homogeneous hygroscopic powder |
| pH before autoclaving (25 °C): | 6,7 – 7,1 |

Direction: Suspend **31 g** in one litre of distilled water. Add **1 ml of Triton X-100**. Mix well and heat gently to dissolve the medium completely. Dispense into test tubes fitted with Durham tube and sterilise by autoclaving at 115 °C for 15 minutes.

Warning!

The medium is heat sensitive.
No further sterilisation is necessary or desirable.

| Prepared media | |
|----------------|------------------------------------|
| Bottled media: | 100 ml: A1B30100, 500 ml: A1B30500 |
| Tubed media: | 150 x 15 mm: A1B40010 (10 ml) |
| Colour: | Yellowish |
| pH (25 °C): | 6,8 – 7,0 |

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

FORMULA in g/l

| | |
|-----------------|------|
| Peptones | 20,5 |
| Lactose | 5,0 |
| Salicin | 0,5 |
| Sodium chloride | 5,0 |

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 | Good, with gas production | |
| <i>Salmonella typhimurium</i> | ATCC 14028 | Good, without gas production | |
| <i>Enterococcus faecalis</i> | ATCC 29212 | Inhibited | |

References: Andrews and Presnell (1972) Appl. Microbiol. 23: 521.

For professional use only!