

MEMBRANE LAURYL SULPHATE (MLS_B) BROTH

A selective medium for the enumeration of coliforms and *Escherichia coli*.

| Dehydrated media | |
|--------------------------------|---------------------------------|
| Code number: | 500 g: MLS20500, 5 kg: MLS25000 |
| Colour: | Pinkish |
| Appearance: | Homogeneous hygroscopic powder |
| pH before autoclaving (25 °C): | 7,2 – 7,6 |

Direction: Suspend **76 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. Cool quickly!

| Prepared media | |
|-----------------------|------------------------------------|
| Bottled media: | 100 ml: MLS30100, 500 ml: MLS30500 |
| Tubed media: | 100 x 12 mm: MLS40002 (2 ml) |
| Colour: | Orange red |
| pH (25 °C): | 7,3 – 7,5 |

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

FORMULA in g/l

| | |
|------------------------|------|
| Peptones | 44,8 |
| Lactose | 30,0 |
| Sodium lauryl sulphate | 1,0 |
| Phenol red | 0,2 |

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, yellow colonies on the membrane | |
| <i>Bacillus subtilis</i> ATCC 6633 | | Inhibited | |

References: Burnhan (1967) Proc. Soc. Wat. Treat Exam 16: 40.

In vitro diagnostic – for professional use only!