

DNASE AGAR WITH MANNITOL

A differential medium for the detection of deoxyribonuclease activity of micro-organisms.

| Dehydrated media | |
|--------------------------------|---------------------------------|
| Code number: | 500 g: DNM20500, 5 kg: DNM25000 |
| Colour: | Pinkish |
| Appearance: | Homogeneous hygroscopic powder |
| pH before autoclaving (25 °C): | 7,1 – 7,5 |

Direction: Suspend **50 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: DNM30100, 500 ml: DNM30500 |
| Plated media: | 55 mm: DNM50055, 90 mm: DNM50090 |
| Colour: | Red |
| pH (25 °C): | 7,2 – 7,4 |

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

FORMULA in g/l

| | |
|-----------------------|-------|
| Tryptose | 20,00 |
| Mannitol | 10,00 |
| Sodium chloride | 5,00 |
| Deoxyribonucleic acid | 2,00 |
| Phenol red | 0,02 |
| Agar | 13,00 |

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>Staphylococcus aureus</i> ATCC 29213 | | Good, yellow colonies with yellow halo | |
| <i>Staphylococcus epidermidis</i> ATCC 14990 | | Good, red colonies with red halo | |

References: Jeffries et al. (1957) J. Bact. 73: 590.

In vitro diagnostic – for professional use only!