# COLUMBIA CNA AGAR BASE

A selective medium for the isolation and differentiation of Gram-positive micro-organisms.

| Dehydrated media | |
|---|---|
| Code number: | 500 g: CNA20500, 5 kg: CNA25000 |
| Colour: | Yellowish |
| Appearance: | Homogeneous hygroscopic powder |
| pH before autoclaving (25 °C): | 7,1 – 7,5 |

**Direction:** Suspend **42 g** in 950 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 115 °C for 15 minutes. Cool to 50 °C and add aseptically **50 ml of sterile defibrinated sheep blood**. Mix well before pouring.

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

| Prepared media | |
|---|---|
| Bottled media bases: | 100 ml: CNA30100, 500 ml: CNA30500 |
| Plated media: | 55 mm: CNA50055, 90 mm: CNA50090 |
| Colour of bottled media bases: | Yellowish |
| Colour of plated media: | Ruby red |
| pH (25 °C): | 7,2 – 7,4 |

**Direction:** Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

## FORMULA in g/l

| | |
|---|---:|
| Nutrient substrate (peptones, extracts) | 23,00 |
| Starch, soluble | 1,00 |
| Sodium chloride | 5,00 |
| Nalidixic acid | 0,01 |
| Colistin | 0,01 |
| 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 |
|---|---|---|---|
| *Streptococcus pneumoniae* | ATCC 49619 | Good, alpha haemolysis (under micro-aerobic conditions) | |
| *Streptococcus pyogenes* | ATCC 19615 | Good, beta haemolysis (under micro-aerobic conditions) | |
| *Enterococcus faecalis* | ATCC 29212 | Good, without haemolysis | |
| *Escherichia coli* | ATCC 25922 | Inhibited | |

**References:** Ellner et al. (1966) Am. J. Clin. Pathol. 45: 502.

**In vitro diagnostic – for professional use only!**