

## CNA Columbia Agar + Defibrinated Sheep Blood

CNA Columbia Agar with Defibrinated Sheep Blood is a selective agar for detection and differentiation of Gram positive microorganisms.

For in vitro diagnostic use

**Cat. Number: PD093**

**Pkg:** Polystyrene 90mm Petri dishes packaged in sleeves of 10 plates in a "breathable" cellulose bag that prevents build-up of condensation and excess moisture.

**Exp. Date:** Printed on label and on the item

**Required materials not supplied:** Laboratory equipment as required.

**Storage:** 2-8<sup>0</sup> C

**Physical parameters:** Cherry-red, opaque, firmly solid

### Composition per 1 Liter

Pancreatic Digest of Casein 12g; Peptic Digest of Animal Tissue 5g; Yeast Extract 3g; Beef Extract 3g; Corn Starch 1g; Sodium Chloride 5g; Agar 13.5g; Colistin 10mg; Nalidixic Acid 10mg.

### Intended Use and Principle

Medium for isolation of more fastidious microorganisms to which the addition of special inhibitors (Colistin and Nalidixic Acid) make it highly selective for Gram positive-cocci, Staphylococci and Streptococci, particularly when Gram negative bacilli (e.g. Proteus) are present and tend to overgrow on conventional blood agar plates..

### Instructions for use

1. Allow the medium in the plate to dry before use.
2. Observe aseptic techniques.
3. Streak the specimen as soon as possible after receiving. Alternatively, if material is being cultured directly from swab, roll the swab over a small area of the surface at the edge and streak from this inoculated area.
4. Incubate plates in :5% CO<sub>2</sub> conditions for 24 hours at 35±2<sup>0</sup> C

### Interpretation

Microorganism	Appearance
<i>Staphylococcus aureus</i>	Beta haemolytic reaction
<i>Streptococcus pyogenes</i> Group A	Beta haemolytic reaction
<i>Streptococcus Pneumoniae</i>	Alpha haemolytic reaction
<i>Escherichia Coli</i>	Inhibited
<i>Proteus Mirabilis</i>	Inhibited
<i>Pseudomonas aeruginosa</i>	Inhibited

### Waste Disposal

After interpretation all plates should be destroyed by standard incineration methods.