

Use and description:

Columbia CNA Agar is used with blood for selective isolation of Gram-positive cocci.

Composition per liter:

Casein5 g
Petones17.5 g
Starch Corn.1.0 g
Sodium Chloride5.0 g
Nalidixic Acid0.01 g
Colistin0.015 g
Agar 14.0 g

Final pH of the ready to use medium: 7.3±0.2 at 25.0 °C

Medium preparation:

Add 42,5 grams of dehydrated culture medium to 1 liter of distilled water.

Autoclave for 15 min at 121°C.

Prepare 5% blood agar by aseptically adding the appropriate volume of sterile defibrinated blood to melted sterile agar medium , cool to 45-48°C

Quality specifications:

1. The powder is homogeneous, free flowing and light beige.
2. Ready to use medium with 5% blood is red and opaque

Microbiological response after 18-24 hours at 35 °C:

Organism	Growth	Hemolysis
<i>Streptococcus aureus</i> ATCC 25923	Good	Beta
<i>Streptococcus pyogenes</i> ATCC 19615	Good	Beta
<i>E.coli</i> ATCC 25922	-	inhibited

Storage:

Store the sealed bottle containing the dehydrated medium at 2 to 30.0 °C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original light beige color.