

PRODUCT INFORMATION

Columbia CNA Agar

Cat. No. C03-113

DESCRIPTION

Columbia CNA Agar is used with blood for the isolation of Gram-positive cocci from clinical samples and other materials. It is a modification of the Columbia Agar Base with the selective microbial agents colistin sulfate and nalidixic acid (CNA).

FORMULA (g/L)

Peptone	20.0 g	Colistin Sulfate	0.01 g
Peptic Digest of Animal Tissue	3.0 g	Nalidixic Acid	0.015 g
Sodium Chloride	5.0 g	Agar	14.0 g
Corn Starch	1.0 g		

Final pH: 7.3 ± 0.2 at 25 °C

*Grams per liter may be adjusted or formula supplemented to obtain desired performance.

PREPARATION

Mix 43 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 15 minutes. Prepare 5-10% blood agar by adding the appropriate volume of sterile defibrinated blood to melted sterile agar medium cooled to 45-50 °C. Dispense into Petri dishes or tubes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and beige.
2. Visually the prepared medium is light beige to amber with trace to slight haze. It is opaque and red if blood is added.
3. Expected cultural response after 18-24 hours at 35 °C.

ORGANISM	RESULT
<i>Proteus mirabilis</i> ATCC 12453	Inhibited
<i>Pseudomonas aeruginosa</i> ATCC 27853	Inhibited
<i>Staphylococcus aureus</i> ATCC 25923	Good Growth – Beta Hemolysis
<i>Streptococcus pneumoniae</i> ATCC 6305	Good Growth – Alpha Hemolysis
<i>Streptococcus pyogenes</i> ATCC 19615	Good Growth – Beta Hemolysis

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°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 color.