

PRODUCT INFORMATION

Your Smarter Culture Media Choice



Columbia Blood Agar Base Cat. No. C03-111

Date of issue
11/12/15

DESCRIPTION

Columbia Blood Agar Base is used for the cultivation of fastidious and non-fastidious microorganisms. The enriched medium is usually prepared with horse, sheep, or rabbit blood to determine the hemolytic reactions of fastidious pathogenic microorganisms. Columbia Blood Agar Base can be prepared as Blood Agar or Chocolate Agar or used without blood as a general addition of starch enhances the recovery of Neisseria, and hemolytic reactions of some streptococci.

Formula* per Liter:

Enzymatic Digest of Casein	5.0g
Meat Peptone	8.0g
Yeast Enriched Peptone	9.0g
Potato Starch	1.0g
Sodium Chloride	5.0g
Agar.....	14.0g

Final pH: 7.3 ± 0.2 at 25°C

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

PREPARATION

Mix 43.0 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Distribute and autoclave at 121°C for 15 minutes. To prepare blood agar, cool media to 45-50°C and aseptically add 5% sterile defibrinated blood. Mix well

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light beige.
2. Visually the prepared medium is opaque and cherry red.
3. Expected cultural response after 18-24 hours at 35 ± 2°C under 5-10 CO₂.

Organism:

Escherichia coli ATCC® 25922
Staphylococcus aureus ATCC® 25923
Streptococcus pneumoniae ATCC® 6305
Streptococcus pyogenes ATCC® 19615

Result:	Hemolysis:
Growth	-
Growth	Beta
Growth	Alpha
Growth	Beta

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 light beige color.