

PRODUCT INFORMATION

Blood Agar Base pH 7.4

Cat. No. B02-111

DESCRIPTION

Blood Agar Base pH 7.4 is used for the isolation and cultivation of fastidious microorganisms.

FORMULA (g/L)

Heart Infusion	10.0 g	Sodium Chloride	5.0 g
Meat Peptone	10.0 g	Agar	15.0 g

Final pH: 7.4 ± 0.2 at 25 °C

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

PREPARATION

Mix 40 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. To prepare with blood, cool medium to 45-50 °C and aseptically add 5-10% defibrinated sheep blood.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and beige.
2. Visually the prepared medium is opaque and red.
3. Expected cultural response after 18-24 hours at 35 °C.

ORGANISM	RESULT
<i>Escherichia coli</i> ATCC 25922	Good Growth
<i>Staphylococcus aureus</i> ATCC 25923	Good Growth – Beta Hemolysis
<i>Staphylococcus pneumoniae</i> ATCC 6305	Good Growth – Alpha Hemolysis
<i>Staphylococcus 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.

Version 01 – Date 03/13/2024