

PRODUCT INFORMATION

Brain Heart Infusion Broth without Dextrose

Cat. No. B02-114

DESCRIPTION

Brain Heart Infusion Broth without Dextrose is a liquid medium used for the cultivation of fastidious microorganisms. Brain Heart Infusion and Proteose Peptone provide a source of carbon, nitrogen, and vitamins. Sodium Chloride supplies essential electrolytes and maintains the osmotic equilibrium. Disodium Phosphate acts as pH buffer.

FORMULA (g/L)

Brain Heart Infusion	17.5 g	Proteose Peptone	10.0 g
Sodium Chloride	5.0 g	Disodium Phosphate	2.5 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 35 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.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing, and beige.
2. Visually the prepared medium is light to medium amber, with none to light precipitate
3. Expected cultural response after incubation at 35°C ± 2 and observed after 1-3 days.
Neisseria meningitides was incubated under CO₂.

ORGANISM	RESULT
<i>Escherichia coli</i> ATCC 25922	Good Growth
<i>Neisseria meningitides</i> ATCC 13090	Growth
<i>Staphylococcus aureus</i> ATCC 25923	Good Growth
<i>Streptococcus pneumoniae</i> ATCC 6305	Good Growth
<i>Streptococcus pyogenes</i> ATCC 19615	Good Growth



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.

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