

## PRODUCT INFORMATION

Brain Heart Infusion Broth

Cat. No. B02-113

### DESCRIPTION

Brain Heart Infusion Broth is a liquid medium rich in nutrients and used for the cultivation of fastidious microorganisms. Brain heart infusion and proteose peptone provide a source of carbon, nitrogen and vitamins. Dextrose is the carbon energy source, sodium chloride maintains the osmotic balance and disodium phosphate acts as a pH buffer.

### FORMULA (g/L)

Brain Heart Infusion	17.5 g	Dextrose	2.0 g
Proteose Peptone	10.0 g	Disodium Phosphate	2.0 g
Sodium Chloride	5.0 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 37 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.

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and beige.
2. Visually the prepared medium is amber and clear.
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
<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.

