

## PRODUCT INFORMATION

Brain Heart Infusion Agar

Cat. No. B02-112

### DESCRIPTION

Brain Heart Infusion (BHI) Agar is used for the cultivation of fastidious microorganisms.

#### FORMULA (g/L)

Brain Heart Infusion	8.0 g	Peptic Digest of Animal Tissue	5.0 g
Pancreatic Digest of Casein	16.0 g	Sodium Chloride	5.0 g
Dextrose	2.0 g	Disodium Phosphate	2.5 g
Agar	13.5 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 52 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 homogenous, free flowing and beige.
2. Visually the prepared medium is trace to slight hazy and light to medium amber. Prepared with 5% SRBC, medium is opaque and dark red.
3. Expected cultural response after 18-24 hours at 35 °C.

ORGANISM	Plain Growth	SRBC Growth
<i>Aspergillus niger</i> ATCC 16404	Good	N/A
<i>Candida albicans</i> ATCC 10231	Good	N/A
<i>Escherichia coli</i> ATCC 25922	Good	Good, Beta hemolysis
<i>Neisseria meningitidis</i> ATCC 13090	Good	Good, no hemolysis
<i>Saccharomyces cerevisiae</i> ATCC 9763	Good	N/A

<i>Staphylococcus aureus</i> ATCC 25923	Good	Good, Beta hemolysis
<i>Streptococcus pneumoniae</i> ATCC 6305	Good	Good, Alpha hemolysis
<i>Streptococcus pyogenes</i> ATCC 19615	Good	Good, 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.