

## PRODUCT INFORMATION

Potato Infusion Agar

Cat. No. P16-120

### DESCRIPTION

Potato Infusion Agar is used for the cultivation of *Brucella abortus*. Enzymatic Digest of Animal Tissue and Beef Extract provide nitrogenous sources, while Dextrose and Potato Infusion supply carbohydrates. Sodium Chloride maintains the osmotic balance. Agar is the gelifying agent.

### FORMULA (g/L)

Casein peptone	2.0 g	Agar	12.4 g
Dextrose	9.9 g	Yeast extract	2.0 g
Peptic digest of animal tissue (bovine)	7.9 g	Sodium carbonate	0.1 g
Sodium chloride	5.0 g	Soy peptone	3.0 g
Potato flour	1.0 g	Magnesium sulfate heptahydrate	0.4 g
Brain heart infusion	2.0 g	Beef extract	4.9 g

Final pH: 6.8 ± 0.2 at 25 °C

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

### PREPARATION

Mix 49 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 yellow beige to tan.
2. Visually the prepared medium is light to medium amber, and trace to slight haze.
3. Expected cultural response after 40-72 hours at 35 °C ± 2°C.

ORGANISM	RESULT
<i>Brucella ovis</i> ATCC 25840	Good Growth
<i>Streptococcus pneumoniae</i> ATCC 6305	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.