

## PRODUCT INFORMATION

Universal Pre-enrichment Broth

Cat. No. U21-101

### DESCRIPTION

Universal Pre-enrichment Broth is non-selective medium used for the recovery of Salmonella and Listeria from food products. With traditional methods requiring different pre-enrichments for each microorganism, Universal Pre-enrichment Broth was formulated by Bailey and Cox for the recovery of sublethally injured strains of both Listeria and Salmonella from a single food product specimen. The medium is well buffered, containing sodium and potassium phosphates, which allows the recovery of pH sensitive bacteria.

### FORMULA (g/L)

Enzymatic Digest of Casein	5.0 g	Dextrose	0.5 g
Proteose Peptone	5.0 g	Sodium Chloride	5.0 g
Monopotassium Phosphate	15.0 g	Disodium Phosphate	7.0 g
Magnesium Sulfate	0.25 g	Ferric Ammonium Citrate	0.1 g
Sodium Pyruvate	0.2 g		

Final pH: 6.3 ± 0.2 at 25 °C

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

### PREPARATION

Mix 38 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 light beige.
2. Visually the prepared medium is yellow to amber and clear with little or no precipitate.
3. Expected cultural response after 18-24 hours at 35 °C.

ORGANISM	RESULT
<i>Listeria monocytogenes</i> ATCC 19115	Good Growth
<i>Listeria monocytogenes</i> ATCC 7644	Good Growth
<i>Salmonella enterica</i> ATCC 13076	Good Growth
<i>Salmonella typhimurium</i> ATCC 14028	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.