

PRODUCT INFORMATION

Buffered Listeria Enrichment Broth Base

Cat. No. B02-133

DESCRIPTION

Buffered Listeria Enrichment Broth Base is used in procedures for the isolation of Listeria monocytogenes from clinical and food samples. Listeria Enrichment Broth contains peptones and dextrose as a source of growth factors.

FORMULA (g/L)

Casein peptone	17.0 g	Soy Peptone	3.0 g
Dextrose	2.5 g	Sodium chloride	5.0 g
Potassium phosphate	4.0 g	Yeast extract	6.0 g
Sodium pyruvate	1.0 g	Sodium phosphate	9.5 g

Final pH: 7.3 ± 0.2 at 25 °C

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

PREPARATION

Mix 48.0 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 to beige.
2. Visually the prepared medium is gold to yellow, clear to slightly hazy, and with none to light precipitate.
3. Expected cultural response after 18-48 hours at 35 °C ± 2°C.

ORGANISM	RESULT
<i>Listeria monocytogenes</i> ATCC 19114	Good Growth
<i>Listeria monocytogenes</i> ATCC 19115	Good Growth
<i>Saccharomyces cerevisiae</i> ATCC 9080	Inhibited

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.