

PRODUCT INFORMATION

Palcam Broth

Cat. No. P16-124

DESCRIPTION

Palcam Broth is used for the selective enrichment of *Listeria* spp. from food and environmental samples. Mannitol fermenting species of *Listeria* give the broth a yellow color due to the Phenol red. Lithium Chloride provides selectivity to Palcam Broth due to the high salt tolerance of *Listeria* spp. Most gram-negative and gram-positive bacteria are suppressed by the addition of Polymixin B, Acriflavin, Ceftazidime to the cooled medium.

FORMULA (g/L)

Casein Digest Peptone	23.0 g	Mannitol	5.0 g
Yeast Extract	5.0 g	Phenol Red	0.08 g
Lithium Chloride	10.0 g	Lecithin	1.0 g
Esculin	0.8 g	Tween 80	2.0 g
Ferric Ammonium Citrate	0.5 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 47 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. Cool to 45-50 °C. Aseptically add sterile solution of Polymixin B 10 mg/L, Acriflavin 5 mg/L and Ceftazidime 20 mg/L

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, with soft lumps, and beige to tan with faint pink tint.
2. Visually the prepared medium is hazy to slight hazy and red.
3. Expected cultural response after 24-48 hours at 30 °C.

ORGANISM	RESULT
<i>Escherichia coli</i> ATCC 25922	Inhibited
<i>Enterococcus faecalis</i> ATCC 29212	Inhibited
<i>Listeria monocytogenes</i> ATCC 7644	Black-Brown
<i>Staphylococcus aureus</i> ATCC 25923	Inhibited
<i>Listeria monocytogenes</i> ATCC 19112	Black-Brown
<i>Listeria monocytogenes</i> ATCC 15313	Black-Brown

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.