PRODUCT INFORMATION

UVM Modified Listeria Enrichment Broth

Cat. No. U21-103

DESCRIPTION

Developed by Donnelly and Baigent, UVM Modified Listeria Enrichment Broth medium is used for the selective isolation and enrichment of Listeria spp. from clinical specimens and food. This formulation is especially suited to inhibiting the growth of enterococci, as well as other gram-positive and gram-negative organisms. Growth of Listeria spp. results in a blackening of the medium.

FORMULA (g/L)

Casein Digest Peptone	5.0 g	Acriflavin, HCl	0.012 g
Peptic Digest of Animal Tissue	5.0 g	Sodium Chloride	20.0 g
Yeast Extract	5.0 g	Dipotassium Phosphate	9.6 g
Beef Extract	5.0	Esculin	1.0
Monopotassium Phosphate	1.35 g	Nalidixic Acid	0.02 g

Final pH: 7.2 ± 0.2 at 25 ºC

*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 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 with lumps and light beige.
2. Visually the prepared medium is clear and light to medium amber, with none to light precipitate.
3. Expected cultural response after 18-24 hours at 35 ºC.

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ORGANISM	RESULT
Escherichia coli ATCC 25922	Inhibited
Listeria monocytogenes ATCC 7644	Good Growth
Listeria monocytogenes ATCC 15313	Good Growth
Staphylococcus aureus ATCC 25923	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.

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