

MM0095

Membrane Lauryl Sulphate Broth

Use and description:

M-Lauryl Sulphate Broth is used for enumeration of Escherichia coli and coliforms in water , using membrane filter technique

Composition per liter:

Lactose30.0g
Peptone Mix39,0 g
Yeast extract.....6.9 g
Phenol Red0.2 g
Sodium Lauryl Sulphate1.0g

Final pH of the ready to use medium: 6.8 ± 0.2

Medium preparation:

Add 77.1 grams of dehydrated culture medium to 1 liter of distilled water. Heat if necessary to dissolve the medium . Dispense as needed and sterilize by steam for max 30 minutes on 3 three consecutive days OR autoclave it for 15 minutes at 121C.

Quality specifications:

Dehydrated medium: light yellow to pink free flowing powder
Ready to use medium: Red coloured clear solution .

Microbiological response:

Organism	Result
Escherichia coli ATCC 25922	luxuriant growth – yellow colony 35-37C
Escherichia coli ATCC 25922	luxuriant growth – yellow colony 43-45C
Enterobacter aerogenes ATCC13048	luxuriant – yellow 35-37C
Enterobacter aerogenes ATCC13048	inhibited

Storage:

Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or the color has changed from the original.