

Use and description:

Medium used in standard methods for pour plate, spread plate, and membrane filter analyses to enumerate heterotrophic bacteria from potable waters.

Composition per liter:

Yeast extract.....	0.500 g
Agar.....	14.000 g
Acid casein.....	0.500 g
Tryptone.....	0.250 g
Meat peptone.....	0.250 g
Starch.....	0.500 g
Dipotassium hydrogen phosphate.....	0.300 g
Magnesium sulphate.....	0.024 g
Sodium pyruvate.....	0.300 g
Glucose.....	0.500 g

Final pH of the ready to use medium: 7.2 ± 0.2

Medium preparation:

Add 17 grams of dehydrated culture medium to 1 liter of distilled water. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 15 minutes. Dispense into sterile Petri dishes or tubes.

Quality specifications:

Dehydrated medium: homogeneous, light straw, fine powder.

Ready to use medium: opaque and cherry red when blood added.

Microbiological response:

Organism	Result
<i>Staphylococcus aureus</i> ATCC 25923	Growth
<i>Streptococcus pyogenes</i> ATCC 19615	No Growth

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 if the color has changed from the original.

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