

Use and description:

This medium recommended by USP and APHA is used to count aerobic bacteria in water, milk and other food products.

Composition per liter:

Yeast extract.....2.5 g
Tryptone..... 5.0 g
Agar..... 15.0 g

Final pH of the ready to use medium: 7.0 ± 0.2

Medium preparation:

Add 23.5 grams of dehydrated culture medium to 1 liter of distilled water. Bring to the boil with frequent stirring to dissolve. Dispense into tubes and sterilise by autoclaving for 15 min at 121°C. Cool to 44-46 °C for not more than 3 hours prior to use. Incubate at 32-35 °C for 48 hours.

Quality specifications:

Dehydrated medium: homogeneous, cream coloured fine powder.

Ready to use medium: light amber agar, very slightly opalescent.

Microbiological response:

Organism	Result
<i>Staphylococcus aureus</i> ATCC 25923	Good 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.