

MM0059

Yeast Extract Agar

Use and description:

YEXA is used for enumeration of microorganisms in potable and freshwater samples. It complies with the recommendations of ISO 6222 and the Swedish Standards SS 0288171.

Composition per liter:

Yeast Extract 3 g
Peptones.....5.0 g
Agar15.0 g

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

Medium preparation:

Add 23.0 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 121.0°C for 15 minutes.

Quality specifications:

Dehydrated medium: homogeneous, light beige fine powder.
Ready to use medium: light beige slightly hazy.

Microbiological response:

Organism	Result
<i>Escherichia coli</i> ATCC 25922	Growth 24 hours
<i>Salmonella typhimurium</i> ATCC 14028	Growth 3 days

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.