

PRODUCT INFORMATION



R2A Agar

Cat. No. R18-100

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DESCRIPTION

R2A Agar medium used for the detection of bacteria in water, especially in treated potable water. This is a low nutrient medium in which a combination of longer time and lower temperature of incubation, promotes the growth of stressed and chlorine treated bacteria.

PREPARATION

Mix 18.2 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and light beige.
2. Visually the prepared medium is to slightly hazy and light beige.
3. Expected cultural response after 18-72 hours at 35°C.

Organism:

Enterococcus faecalis ATCC® 29212

Escherichia coli ATCC® 25922

Staphylococcus aureus ATCC® 25923

Formula* per Liter:

Enzymatic Digest of Casein	0.25g
Peptic Digest of Animal Tissue	0.25g
Dextrose.....	0.5g
Magnesium Sulfate Heptahydrate.....	0.1g
Sodium Pyruvate.....	0.3g
Yeast Extract.....	0.5g
Acid Hydrolysate Casein.....	0.5g
Soluble Starch.....	0.5g
Dipotassium Phosphate	0.3g
Agar.....	15.0g

Final pH: 7.2 ± 0.2 at 25°C

* Grams per liter may be adjusted or formula supplemented to obtain desired performance.

Result:

Growth

Growth

Growth

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.