

PRODUCT INFORMATION

Your Smarter Culture Media Choice



Date of issue
04/22/14

R2A Agar Cat. No. R18-100

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.

Formula* per Liter:

Casein Digest Peptone	0.25g
Peptic Digest of Animal Tissue	0.25g
Glucose	0.5g
Magnesium Sulfate Heptahydrate.....	0.1g
Sodium Pyruvate.....	0.3g
Yeast Extract.....	0.5g
Casein Acid Hydrolysate	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.*

PREPARATION

Mix 18.2 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and 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 clear 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

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.