

PRODUCT INFORMATION

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 (g/L)

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

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 homogenous, free flowing and light beige.
2. Visually the prepared medium is slight hazy and light beige.
3. Expected cultural response after 18-72 hours at 35 °C.

ORGANISM	RESULT
<i>Enterococcus faecalis</i> ATCC 29212	Good Growth
<i>Escherichia coli</i> ATCC 25922	Good Growth
<i>Staphylococcus aureus</i> ATCC 25923	Good 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.

Version 01 – Date 11/03/23