

## PRODUCT INFORMATION

WL Nutrient Agar

Cat. No. W23-102

### DESCRIPTION

WL Nutrient Agar is used for cultivating yeasts, molds and bacteria encountered in brewing and the industrial fermentation processes.

### FORMULA (g/L)

Enzymatic Digest of Casein	5.0 g	Magnesium Sulfate	0.125 g
Dextrose	50.0 g	Ferric Chloride	0.0025 g
Calcium Chloride	0.125 g	Manganese Sulfate	0.0025 g
Yeast Extract	4.0 g	Agar	20.0 g
Monopotassium Phosphate	0.55 g	Bromocresol Green	0.022 g
Potassium Chloride	0.425 g		

Final pH: 5.5 ± 0.2 at 25 °C

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

### PREPARATION

Mix 80.2 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 bluish to greenish beige.
2. Visually the prepared medium is trace to slight haze, and slightly opalescent blue-green.
3. Expected cultural response after 40-72 hours at 35 °C for bacteria and at 30 °C for yeasts.

ORGANISM	RESULT
<i>Escherichia coli</i> ATCC 25922	Good Growth
<i>Lactobacillus fermentum</i> ATCC 9338	Moderate Growth
<i>Proteus mirabilis</i> ATCC 12453	Good Growth
<i>Saccharomyces cerevisiae</i> ATCC 9763	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.