

PRODUCT INFORMATION



WL Nutrient Agar

Cat. No. W23-102

Date of Issue:
10/01/17

DESCRIPTION

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

PREPARATION

Mix 80.2 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 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 to 72 hours at 35°C for bacteria and at 30°C for yeasts.

Organism:

Escherichia coli ATCC® 25922
Lactobacillus fermentum ATCC® 9338
Proteus mirabilis ATCC® 12453
Saccharomyces cerevisiae ATCC® 9763

Formula* per Liter:

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

Final pH: 5.5 ± 0.2 at 25°C

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

Result:

Very good to excellent
Fair to very good
Very good to excellent
Very good to excellent

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.