

## PRODUCT INFORMATION

Lactobacilli MRS Agar

Cat. No. L12-102

### DESCRIPTION

Lactobacilli MRS Agar, also referred to as Lactobacillus MRS Agar or LMRS Agar, is an agar medium used for the selective isolation and enumeration of lactobacilli from various sources which include feces and dairy.

### FORMULA (g/L)

Proteose Peptone No. 3	10.0 g	Sodium Acetate	5.0 g
Beef Extract	10.0 g	Magnesium Sulfate	0.1 g
Yeast Extract	5.0 g	Manganese Sulfate	0.05 g
Ammonium Citrate	2.0 g	Potassium Phosphate, Dibasic	2.0 g
Dextrose	20.0 g	Agar	15.0 g
Polysorbate 80 (Tween 80)	1.0 g		

Final pH: 6.5 ± 0.2 at 25 °C

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

### PREPARATION

Mix 70 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing with soft lumps and yellow beige to tan.
2. Visually the prepared medium is trace to slightly hazy and light to medium amber.
3. Expected cultural response after 1-4 days at 35 °C.



ORGANISM	RESULT
<i>Lactobacillus casei</i> ATCC 393	Good Growth
<i>Lactobacillus fermentum</i> ATCC 9338	Good Growth
<i>Lactobacillus plantarum</i> ATCC 8014	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.