

PRODUCT INFORMATION

Lactobacilli MRS Broth

Cat. No. L12-104

DESCRIPTION

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

FORMULA (g/L)

Beef Extract	10.0 g	Sodium Acetate	5.0 g
Yeast Extract	5.0 g	Magnesium Sulfate	0.1 g
Ammonium Citrate	2.0 g	Manganese Sulfate	0.05 g
Dextrose	20.0 g	Potassium Phosphate, Dibasic	2.0 g
Polysorbate 80 (Tween 80)	1.0 g	Meat Peptone	10.0 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 55 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 clear with little or no precipitate and medium to dark amber.
3. Expected cultural response after 24-72 hours 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
<i>Lactobacillus rhamnosus</i> ATCC 9595	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.