

PRODUCT INFORMATION



Lactobacilli MRS Agar

Cat. No. L12-103

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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.

PREPARATION

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

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, 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:

Lactobacillus casei ATCC® 393
Lactobacillus fermentum ATCC® 9338
Lactobacillus plantarum ATCC® 8014

Formula* per Liter:

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

Final pH: 6.5 ± 0.2 at 25°C

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

Result:

Growth
Growth
Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 8°C. Protect it from moisture and light. The dehydrated medium should be discarded if it is solidified or if the color has changed from the original color.