



## PRODUCT INFORMATION

Also known as modified Lactobacilli MRS Agar, LMRS with cysteine is utilized for the selective isolation and enumeration of lactic acid bacteria (LAB) from various sources including industrial fermentation processes. Cysteine is added as a reducing agent for anaerobic microorganisms.

# LACTOBACILLUS MRS AGAR WITH L-CYSTEINE

## Material 5065

### PHYSICAL CHARACTERISTICS:

Appearance: Prepared medium is trace to slightly hazy and light beige to amber

pH: 6.3 - 6.7 @25°C

### GROWTH RECOVERY:

Test Organisms	Expected Results
<i>Lactobacillus acidophilus</i> ATCC® 4356	Good to moderate growth
<i>Lactobacillus casei</i> ATCC® 393	Good to moderate growth
<i>Lactobacillus fermentum</i> ATCC® 9338	Good to moderate growth

### STORAGE AND HANDLING INSTRUCTIONS:

Store sealed sleeves inverted at 2-8°C upon receipt. Do not heat or freeze and minimize exposure to light. Plates should be warmed to room temperature prior to use - not to exceed 30°C. Product expiry is 183 days (6 months) from the date of manufacture. Reference our *Prepared Media Storage and Handling* document for additional information.

### 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	1.0g
Sodium Acetate	5.0g
Magnesium Sulfate	0.1g
Manganese Sulfate	0.05g
Potassium Phosphate, Dibasic	2.0g
Agar	15.0g

Supplemented with L-cysteine HCl

\* Adjusted and/or supplemented as required to meet performance criteria

## S<sup>2</sup> Media

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