

MRS Agar

Product No.	Product Category	Specification
HCM250	Dehydrated Culture Medium	500g/bottle

Intended Use

For the enrichment, cultivation and isolation of all species of *Lactobacillus* from all types of material.

Principle and Interpretation

Peptone, beef extract powder, yeast extract powder to provide a nitrogen source, vitamins, growth factors; ammonium citrate, magnesium sulfate, manganese sulfate, Tween-80 and sodium acetate to provide the training of various lactic acid bacteria growth factor, agar as medium coagulant.

Formulation

Ingredients	/liter
Enzymatic Digest of Casein	10.0g
Meat Extract	10.0g
Yeast extract	4.0g
Triammonium Citrate	2.0g
Sodium Acetate	5.0g
Magnesium Sulphate Heptahydrate	0.2g
Manganese Sulphate Tetrahydrate	0.05g
Dipotassium Hydrogen Phosphate	2.0g
Glucose	20.0g
Polyoxyethylenesorbitan Monooleate	1.08g
Agar	15.5g
pH5.7±0.2 at 25°C	

Preparation

Suspend 69.8g in 1 L of distilled or deionized water, heated to boiling stirring until completely dissolved, dispensing into flask, autoclave at 121 °C for 15min.

Quality Control

Cultural characteristics observed after an incubation at 70-74°C for 46~50h

Quality control strains	Growth
<i>Lactobacillus plantarum</i> ATCC 8014	grows well, white, circular

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Technical Data Sheet



<i>Bifidobacterium breve</i> ATCC15700	
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Storage and Shelf Life

2-30°C, keep container tightly closed, avoid direct sunlight.

Use before expiry date on the label.

Precautions

1. When weighing the dehydrated medium, please wear masks to avoid causing respiratory system discomfort
2. Keep container tightly closed after using to prevent clumping.

Waste Disposal

Microbiological contamination was disposed by autoclaving at 121°C for 30 minutes.

Revision

On June 14, 2024

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