



Actero™ Lactobacilli MRS Agar Product Information

Catalogue No.	Description
FCM- 169	Actero™ Lactobacilli MRS Agar (500 G)
FCM- 168	Actero™ Lactobacilli MRS Agar (2 KG)
FCM- 167	Actero™ Lactobacilli MRS Agar (10 KG)

INTENDED USE

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* 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.

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 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	Result
<i>Lactobacillus casei</i> ATCC® 393	Growth
<i>Lactobacillus fermentum</i> ATCC® 9338	Growth
<i>Lactobacillus plantarum</i> ATCC® 8014	Growth

STORAGE INSTRUCTIONS:

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 yellow-tan.

