

11: MRS MEDIUM

This recipe contains strain-specific modifications for *Lactobacillus delbrueckii subsp. lactis* DSM 20355 *

Final pH: 6.2 - 6.5

Final volume: 1000 ml

Casein peptone (tryptic digest)	10.00	g
Meat extract	10.00	g
Yeast extract	5.00	g
Glucose	20.00	g
Tween 80	1.00	g
K ₂ HPO ₄	2.00	g
Na-acetate	5.00	g
(NH ₄) ₃ citrate	2.00	g
MgSO ₄ × 7 H ₂ O	0.20	g
MnSO ₄ × H ₂ O	0.05	g
Wolin's vitamin solution	1.00	ml
Distilled water	1000.00	ml

Adjust pH to 6.2 - 6.5.

* Plus vitamin solution (see medium 141)

Wolin's vitamin solution* (from medium 141)

Biotin	2.00	mg
Folic acid	2.00	mg
Pyridoxine hydrochloride	10.00	mg
Thiamine HCl	5.00	mg
Riboflavin	5.00	mg
Nicotinic acid	5.00	mg
Calcium D-(+)-pantothenate	5.00	mg
Vitamin B ₁₂	0.10	mg
p-Aminobenzoic acid	5.00	mg
(DL)-alpha-Lipoic acid	5.00	mg
Distilled water	1000.00	ml