

628: MMB MEDIUM

This recipe contains strain-specific modifications for *Prostheco bacter vanneervanii* DSM 12252 *

Final pH: 7.2

Final volume: 1000 ml

Peptone	0.15	g
Yeast extract (Oxoid LP0021B or BD212750)	0.15	g/l
Glucose	1.00	g
(NH ₄) ₂ SO ₄	0.25	g
Hutner's salts	20.00	ml
Vitamin solution	10.00	ml
Distilled water	970.00	ml

1. pH 7.2
2. Glucose and vitamin solution should be filter-sterilized separately.

* [DSM 12252](#) grows on yeast extract from OXOID LP0021B or BD 212750.

Vitamin solution

Vitamin B ₁₂	0.01	mg
Biotin	0.20	mg
Calcium pantothenate	0.50	mg
Folic acid	0.20	mg
Nicotinamide	0.50	mg
Pyridoxine hydrochloride	0.50	mg
Riboflavin	0.50	mg
Thiamine-HCl x 2 H ₂ O	0.50	mg
Distilled water	100.00	ml

Hutner's salts (from medium 590)

Nitrilotriacetic acid (NTA)	10.000	g
MgSO ₄ x 7 H ₂ O	29.700	g
CaCl ₂ x 2 H ₂ O	3.335	g
(NH ₄) ₆ Mo ₇ O ₂₄ x 4 H ₂ O	9.250	mg
FeSO ₄ x 7 H ₂ O	99.000	mg
"Metals 44"	50.000	ml
Distilled water	950.000	ml

1. Dissolve the nitrilotriacetic acid.
2. Adjust pH to 7.0 with KOH (~7.3 g).

628: MMB MEDIUM

3. Dissolve other salts separately and combine.
4. Adjust pH to 6.8 with NaOH or H₂SO₄.

"Metals 44" (from medium 590)

Na-EDTA	250.00	mg
ZnSO ₄ x 7 H ₂ O	1095.00	mg
FeSO ₄ x 7 H ₂ O	500.00	mg
MnSO ₄ x H ₂ O	154.00	mg
CuSO ₄ x 5 H ₂ O	39.20	mg
Co(NO ₃) ₂ x 6 H ₂ O	24.80	mg
Na ₂ B ₄ O ₇ x 10 H ₂ O	17.70	mg
Distilled water	1000.00	ml

Dissolve the EDTA and add a few drops of concentrated H₂SO₄ to retard precipitation of the heavy metal ions.