

1562

Standard Agar w/Methanol and YE

Yeast extract	0.5	g
Agar (if needed)	20.0	g
Distilled water	982.0	ml

Autoclave at 121 C for 15 minutes.

Cool to 50 C and aseptically add the following sterilized solutions:

Solution A (see below)	1.0	ml
Solution B (see below)	5.0	ml
Solution C (see below)	1.0	ml
Solution D (see below)	1.0	ml
Methanol, filter-sterilized	10.0	ml

Adjust pH aseptically, if necessary, to 4.0 - 4.5.

Solution A:

KH ₂ PO ₄	68.05	g
K ₂ HPO ₄	87.09	g
Distilled water	1000.0	ml

Solution B:

NH ₄ Cl	152.58	g
Distilled water	1000.0	ml

Solution C:

CaCl ₂ x 2H ₂ O	5.47	g
Distilled water	1000.0	ml

Solution D:

MgSO ₄ x 7H ₂ O	71.20	g
ZnSO ₄ x 7H ₂ O	0.440	g
MnSO ₄ x 4H ₂ O	0.812	g
CuSO ₄ x 5H ₂ O	0.785	g
Na ₂ MoO ₇ x 2H ₂ O	0.252	g
FeSO ₄ x 7H ₂ O	4.980	g
Distilled water	to 1000.0	ml

NOTE: adjust pH to 4.0 to 4.5 after autoclaving and after adding the additive solution.