

APPENDIX

Culture media for isolating fungi

1. Gauchnaur's glucose ammonium nitrate agar (GAN)

NH ₄ NO ₃	1.0	g
K ₂ HPO ₄	1.0	g
MgSO ₄ .7H ₂ O	0.5	g
Rose bengal	0.03	g
Yeast extract	1.0	g
Glucose	5.0	g
Agar	15.0	g
Streptomycin solution *	30.0	ppm
Distilled water	1,000	ml

* Add after media autoclaved and decrease temperature for 45-50°C

2. Water agar (0.2% WA)

Agar	20.0	g
Distilled water	1,000	ml

Culture media for cultivating fungi

1. Potato Dextrose Agar (PDA)

Potato	200.0	g
Dextrose	20.0	g
Agar	15.0	g
Distilled water	1,000	ml

2. Potato Dextrose Broth (PDB)

Potato	200.0	g
Dextrose	20.0	g
Distilled water	1,000	ml

3. Cornmeal Agar (CMA)

Add 60 g freshly ground cornmeal to 1 litre water, heat to boiling and simmer gently for 1 hour. Strain through cloth and sterilize for 15 min at 121 °C overpressure. Fill up to 1 litre and add 15 g agar and sterilize at 121°C for 15 min.

4. Czapek's Agar (CZA)

Sucrose	30.0	g
NaNO ₃	3.0	g
K ₂ HPO ₄	1.0	g
KCl	0.5	g
MgSO ₄ ·7H ₂ O	0.5	g
FeSO ₄ ·7H ₂ O	0.01	g
Agar	15.0	g
Distilled water	1,000	ml

5. Czapek Yeast Autolysate Agar (CYA)

KH ₂ PO ₄	1.0	g
Czapek concentrate *	10.0	ml
Yeast autolysate or extract	5.0	g
Sucrose	30.0	g
Agar	15.0	g
Distilled water	1,000	ml

6. 25% Glycerol Nitrate Agar (G25N)

KH ₂ PO ₄	0.75	g
Czapek concentrate *	7.5	ml
Yeast autolysate or extract	3.7	g
Glycerol, analytical grade	250.0	g
Agar	15.0	g
Distilled water	1,000	ml

7. Malt Extract Agar (MEA)

Malt Extract Agar	20.0	g
Peptone	1.0	g
Glucose	20.0	g
Agar	15.0	g
Distilled water	1,000	ml

8. Oatmeal Agar (OMA)

Heat 30 g oat flakes in 1 litre water to boiling and simmer gently for 2 hours.

Filter through cloth and fill up to 1 litre. Add 15 g agar to one litre and sterilize by autoclaving at 121°C for 15 min.

***CZA Concentrate**

NaNO ₃	30.0	g
KCl	5.0	g
MgSO ₄ ·7H ₂ O	5.0	g
FeSO ₄ ·7H ₂ O	0.1	g
Distilled water	100	ml