

Isolation media used for the Actinobacterial Diversity

Two different media were used. The recipes and cultural conditions used as followed:

1. Glycerol-casein-KNO₃ Agar

Ingredients	Quantity
Glycerol	10.0g
KNO ₃	2.0g
Casein	0.3g
NaCl	2.0g
K ₂ HPO ₄	2.0g
MgSO ₄ .7H ₂ O	0.05g
CaCO ₃	0.02g
FeSO ₄ .7H ₂ O	0.01g
Agar	18.0g

Distilled water: 1000 liter, pH: 7.8

Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Agitate constantly while pouring into sterile Petri plates to obtain a uniform suspension. Incubation is done at 28°C for 5 to 7 days.

2. Actinomycete Isolation Agar

Ingredients	Quantity
Glycerol	5.0g
Sodium propionate	4.0g
Sodium caseinate	2.0g
Asparagine	0.1g
K ₂ HPO ₄	0.5g
MgSO ₄ .7H ₂ O	0.1g
FeSO ₄ .7H ₂ O	0.001
Agar	18.0g

Distilled water: 1000 liter, pH: 7.8

Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Agitate constantly while pouring into sterile Petri plates to obtain a uniform suspension. Incubation is done at 28°C for 5 to 7 days.