

1208. BACILLUS ALKALIDIAZOTROPHICUS MEDIUM

NaHCO ₃	8.00	g
Na ₂ CO ₃	22.00	g
NaCl	6.00	g
K ₂ HPO ₄	1.00	g
NH ₄ Cl	0.20	g
MgCl ₂ x 6 H ₂ O	0.20	g
Yeast extract	0.05	g
Na ₂ SO ₄	2.80	g
Trace element solution SL-11 (see medium 722)	1.00	ml
Selenite-tungstate solution (see medium 385)	1.00	ml
Vitamin solution (see medium 141)	10.00	ml
Glucose	2.00	g
Distilled water	1000.00	ml

Dissolve ingredients except ammonium chloride, magnesium chloride, yeast extract, trace elements, vitamins, boil medium for 1 min, then cool to room temperature under N₂ gas atmosphere. Dispense under same gas atmosphere in culture vessels and autoclave. After sterilization add ammonium chloride, magnesium chloride, yeast extract, trace elements, vitamins, from sterile, anoxic stock solution prepared under N₂. The vitamin solution should be sterilized by filtration. Adjust pH of final medium to 10.