

689. ACE MEDIUM

KCl	0.335	g
MgCl ₂ x 6 H ₂ O	6.000	g
MgSO ₄ x 7 H ₂ O	1.000	g
NH ₄ Cl	0.250	g
CaCl ₂ x 2 H ₂ O	0.140	g
K ₂ HPO ₄	0.140	g
NaCl	18.000	g
Fe(NH ₄) ₂ (SO ₄) ₂ x 6 H ₂ O	2.000	mg
Vitamin solution (see Medium 141)	10.000	ml
Yeast extract (Difco)	1.000	g
Resazurin	1.000	mg
Glucose	10.000	g
NaHCO ₃	2.000	g
Cysteine-HCl x H ₂ O	0.500	g
Distilled water	1000.000	ml

Adjust pH to 7.6.

Boil medium for 3 min, then cool under a stream of oxygen-free N₂. Add cysteine and sodium bicarbonate. Dispense in anaerobic tubes under N₂ and autoclave. A precipitate forms which will redissolve slowly over about 3 days. Before use inject separately autoclaved, anaerobic glucose solution (20% w/v). Check medium pH.