

Component	Eagle's Minimum Essential Medium (mg/l)	MCDS (mg/l)
Thiamin HCl	1.0	0.34
Vitamin B12	—	0.14
Other Organics		
Adenine	—	0.135
D-glucose	1000	1440
Linoleic acid	—	0.028
Putrescine 2HCl	—	1.6×10^{-4}
Na pyruvate	—	110
Thymidine	—	0.073
Major Inorganic Salts		
CaCl ₂	200	222
KCl	400	225
HgSO ₄	—	180
MgSO ₄ · 7H ₂ O	200	—
NaCl	6800	6960
NaH ₂ PO ₄ · H ₂ O	140	—
NaH ₂ PO ₄	—	71
Trace Elements		
CuSO ₄	—	1.6×10^{-4}
FeSO ₄	—	0.75
Fe(NO ₃) ₃ · 9H ₂ O	0.10	—
H ₂ SeO ₃	—	0.0387
MnSO ₄	—	7.6×10^{-5}
NaS _i O ₃	—	0.050
(NH ₄) ₆ Mo ₇ O ₂₄	—	0.00116
NH ₄ VO ₃	—	5.9×10^{-4}
NiCl ₂	—	6.5×10^{-7}
SnCl ₂	—	9.5×10^{-7}
ZnSO ₄	—	0.080
Buffers and Indicators		
HEPES (C ₈ H ₁₈ N ₂ O ₄ S)	—	7140
NaHCO ₃	2200	—
Phenol red	10	1.31
CO ₂ (Gas Phase)	5%	2%
Serum/Serum Replacements		
Serum (e.g., fetal bovine serum, FBS)	5 to 10%	—
Phosphoethanolamine	—	15.9
Ethanolamine	—	6.1
Prostaglandin E1	—	0.01
Hydrocortisone	—	0.05
EGF	—	0.01
Insulin	—	0.5
Transferrin	—	0.5
Prolactin	—	0.5
Ovine protactin	—	0.1