

748. CENS MEDIUM

K ₂ HPO ₄	0.9	g
KH ₂ PO ₄	0.6	g
NH ₄ Cl	1.0	g
EDTA	5.0	mg
MgSO ₄ x 7 H ₂ O	0.2	g
CaCl ₂ x 2 H ₂ O	75.0	mg
True Blue Trace elements (see below)	1.0	ml
Chelated Iron solution (see below)	2.0	ml
Vitamin B ₁₂	20.0	µg
Biotin	15.0	µg
Na ₂ S ₂ O ₃ x 5 H ₂ O	0.5	g
Soytone (Difco 0436)	4.0	g
Na-pyruvate (filter-sterilized)	2.2	g
Distilled water	1000.0	ml

True Blue Trace Elements:

EDTA	2.5	g
MnCl ₂ x 4 H ₂ O	0.2	g
H ₃ BO ₃	0.1	g
Na ₂ MoO ₄ x 2 H ₂ O	0.1	g
ZnCl ₂	50.0	mg
NiCl ₂ x 6 H ₂ O	50.0	mg
CoCl ₂ x 2 H ₂ O	20.0	mg
CuCl ₂ x 2 H ₂ O	10.0	mg
Na ₂ SeO ₃	5.0	mg
NaVO ₃ x n H ₂ O (meta)	5.0	mg
Distilled water	250.0	ml

Dissolve chemicals one at a time in approximately 200.0 ml distilled water. Bring final volume to 250.0 ml with additional water.

Chelated Iron solution:

FeCl ₂ x 4 H ₂ O	1.0	g
EDTA	2.0	g
HCl (conc.)	3.0	ml
Distilled water	900.0	ml