

**1685. HALORUSSUS VARIUS MEDIUM (MSC 15.2)**

NaCl	110.00	g
CaCl <sub>2</sub> x H <sub>2</sub> O	21.70	g
KNO <sub>3</sub>	18.70	g
MgSO <sub>4</sub> x 6 H <sub>2</sub> O	3.00	g
CaCO <sub>3</sub>	2.80	g
KBr	2.60	g
SrCl <sub>2</sub> x 6 H <sub>2</sub> O	0.60	g
NH <sub>4</sub> Cl	0.05	g
KH <sub>2</sub> PO <sub>4</sub>	0.01	g
Glucose	1.00	g
Yeast extract (BD Chemicals)	0.10	g
FeEDTA solution (see below)	1.00	ml
Trace element solution (see below)	1.00	ml
Agar	20.00	g
Distilled water	1000.00	ml

Adjust the pH 5.0-8.5

*FeEDTA solution:*

FeSO <sub>4</sub> x 7 H <sub>2</sub> O	1.54	g
NaEDTA	2.06	g
Distilled water	1000.00	ml

*Trace element solution:*

Nitrilotriacetic acid	1.500	g
Fe(NH <sub>4</sub> ) <sub>2</sub> (SO <sub>4</sub> ) <sub>2</sub> x 6H <sub>2</sub> O	0.200	g
Na <sub>2</sub> SeO <sub>4</sub> x 10 H <sub>2</sub> O	0.440	g
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	0.180	g
MnSO <sub>4</sub> x H <sub>2</sub> O	0.120	g
Na <sub>2</sub> MoO <sub>4</sub>	0.160	g
Na <sub>2</sub> WO <sub>4</sub>	0.100	g
ZnSO <sub>4</sub> x 7 H <sub>2</sub> O	0.540	g
AlCl <sub>3</sub>	0.040	g
NiCl <sub>2</sub> x 6 H <sub>2</sub> O	0.025	g
H <sub>3</sub> BO <sub>3</sub>	0.110	g
CuSO <sub>4</sub>	0.210	g
MnCl	0.190	g
Distilled water	1000.000	ml

First dissolve nitrilotriacetic acid and adjust pH to 6.5 with KOH, then add minerals. Final pH 7.0 (with KOH).