

## 1470. MODIFIED CASTENHOLZ MEDIUM

Nitrilotriacetic acid (Titriplex I)	100.00	mg
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	100.00	mg
CaSO <sub>4</sub> x 2 H <sub>2</sub> O	60.00	mg
NaCl	8.00	mg
NaNO <sub>3</sub>	689.00	mg
KNO <sub>3</sub>	103.00	mg
Na <sub>2</sub> HPO <sub>4</sub> x 2 H <sub>2</sub> O	111.00	mg
Tryptone (Oxoid)	5.00	g
Peptone (BD)	5.00	g
Sucrose	2.00	g
FeCl <sub>3</sub> x 6 H <sub>2</sub> O (w/v=1%)	2.80	mL
Nitsch Element Solution	1.00	mL
Distilled water	1000.00	ml

Adjust pH to 8.2 with NaOH.

### **Nitsch Element Solution:**

H <sub>2</sub> SO <sub>4</sub>	5.00	mL
MnSO <sub>4</sub> x H <sub>2</sub> O	2.20	mg
ZnSO <sub>4</sub> x 7 H <sub>2</sub> O	0.50	mg
H <sub>3</sub> BO <sub>3</sub>	0.50	mg
CuSO <sub>4</sub> x 5 H <sub>2</sub> O	16.00	µg
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	25.00	µg
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	46.00	µg
Distilled water	1000.00	ml