

**1391. MMJHSY MEDIUM (modified)**

NaCl	20.000	g
K <sub>2</sub> HPO <sub>4</sub>	0.090	g
KH <sub>2</sub> PO <sub>4</sub>	0.070	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.800	g
NH <sub>4</sub> Cl	1.000	g
NaNO <sub>3</sub>	1.000	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	4.000	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	3.000	g
KCl	0.330	g
FeSO <sub>4</sub> x 7 H <sub>2</sub> O	0.010	g
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> x 5 H <sub>2</sub> O	2.000	g
Fe-citrate	0.01	g
Yeast extract	2.00	g
Trace mineral solution (see Medium 1121)	5.000	ml
Distilled water	1000.000	ml

Prepare the medium under N<sub>2</sub>/CO<sub>2</sub> (80%N<sub>2</sub>, 20%CO<sub>2</sub>) and fill in , the pH of the medium is adjusted with NaOH to 6.8. After autoclaving, the separately autoclaved, concentrated solutions including each of follows are added to the medium. Then a mix gas (80%H<sub>2</sub>, 20%CO<sub>2</sub>) is purged for 5 min.

Finally, the mix gas (77%H<sub>2</sub>, 20%CO<sub>2</sub>, 3%O<sub>2</sub>) is compressed into gas phase (>80% volume of the tube or bottle) at 2 atm.

Vitamin solution (see below Medium 141)	final concentration 1.0	ml/l
NaHCO <sub>3</sub>	final concentration 0.1	%