

**ATCC Medium 929: Nitrosolobus Medium**

DI Water .....	1.0 L
Ammonium Sulfate .....	1.32 g
MgSO <sub>4</sub> x 7H <sub>2</sub> O .....	380.0 mg
CaCl <sub>2</sub> x 2H <sub>2</sub> O .....	20.0 mg
MnCl <sub>2</sub> x 4H <sub>2</sub> O .....	200.0 µg
Na <sub>2</sub> MoO <sub>4</sub> x 2H <sub>2</sub> O .....	100.0 µg
CoCl <sub>2</sub> x 6H <sub>2</sub> O .....	2.0 µg
ZnSO <sub>4</sub> x 7H <sub>2</sub> O .....	100.0 µg
KH <sub>2</sub> PO <sub>4</sub> .....	87.0 mg
Phenol red 0.5% (See below) .....	0.25 mL
Chelated Iron Solution.....	1.0 mL

*Adjust final pH to 7.5 with 0.5 M K<sub>2</sub>CO<sub>3</sub> (see below).*

**Chelated Iron Solution**

Ferric (III) ammonium citrate* .....	0.1 g
EDTA, sodium salt .....	0.2 g
DI water .....	100.0 mL
HCl(conc) .....	0.3 mL

*Use 2 mL of this chelated iron solution per liter in final medium.*

*\*0.05g of Ferric (III) chloride may be substituted.*

**Phenol Red 0.5%**

Phenol Red.....	0.5 g
6N NaOH.....	1.0 mL
DI Water.....	99.0 mL

**0.5 M K<sub>2</sub>CO<sub>3</sub> Solution**

K <sub>2</sub> CO <sub>3</sub> .....	6.91 g
DI water .....	100.0 mL