

**ATCC medium: 481 *Nitrobacter* medium 204**

Solution A (see below).....0.5 ml  
Solution B (see below).....0.5 ml  
Solution C (see below).....1.0 ml  
Solution D (see below).....0.5 ml  
Solution E (see below).....0.5 ml  
Solution F (see below).....2.0 drops  
Seawater.....700.0 ml  
Distilled water to.....1.0 L

*Solution A:*

CaCl<sub>2</sub>.....2.0 g  
Distilled water.....100.0 ml

*Solution B:*

MgSO<sub>4</sub> · 7H<sub>2</sub>O .....20.0 g  
Distilled water.....100.0 ml

*Solution C:*

EDTA.....0.14 g  
FeSO<sub>4</sub> · 7H<sub>2</sub>O .....0.5 g  
H<sub>2</sub>SO<sub>4</sub> (conc.) .....0.05 ml  
Distilled water.....100.0 ml

*Solution D (trace metals):*

Na<sub>2</sub>MoO<sub>4</sub> · 2H<sub>2</sub>O.....0.1 g  
MnCl<sub>2</sub> · 4H<sub>2</sub>O .....0.2 g  
CoCl<sub>2</sub> · 6H<sub>2</sub>O .....0.002 g  
ZnSO<sub>4</sub> · 7H<sub>2</sub>O .....0.1 g  
CuSO<sub>4</sub> · 5H<sub>2</sub>O .....0.02 g  
Distilled water.....1.0 L

These ingredients should be dissolved separately and then added together to make 1.0 L.

*Solution E:*

NaNO<sub>2</sub>.....41.4 g  
Distilled water.....100.0 ml

*Solution F:*

K<sub>2</sub>HPO<sub>4</sub>.....1.74 g  
Distilled water.....100.0 ml