

ATCC medium: 819 Blue-green nitrogen-fixing medium

ATCC Medium 616 (see below) without NaNO_3 . Use distilled water and 1% Agar, Noble (BD 214230) if necessary. Check pH after autoclaving and readjust if necessary.

ATCC Medium 616:

NaNO_3	1.5 g
K_2HPO_4	0.04 g
$\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$	0.075 g
$\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$	0.036 g
Citric acid.....	6.0 mg
Ferric ammonium citrate.....	6.0 mg
EDTA.....	1.0 mg
Na_2CO_3	0.02 g
Trace Metal Mix A5 (see below).....	1.0 ml
Agar (if needed).....	10.0 g
Distilled water.....	1.0 L

Adjust final pH to 7.1.

Trace Metal Mix A5:

H_3BO_3	2.86 g
$\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$	1.81 g
$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$	0.222 g
$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$	0.39 g
$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	0.079 g
$\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$	49.4 mg
Distilled water.....	1.0 L