

ATCC medium 2497: Rhodoferrax Medium

For solid medium, add agar as below.

EDTA, 20.0 mg
(NH₄)₂SO₄, 1.0 g
MgSO₄, 200.0 mg
CaCl₂·2H₂O, 75.0 mg
Na pyruvate, 2.5 g
NaCl, 1.0 g
Yeast extract, 1.0 g
KH₂PO₄, 0.6 g
K₂HPO₄, 0.9 g
Wolfe's Mineral Solution (*see below*), 1.0 ml
Vitamin B₁₂, 20.0 ug
Agar, (*if needed*), 15.0 g
Adjust H₂O to 1.0 L. Adjust pH to 6.8. Autoclave at 121°C for 15min.

Wolfe's Mineral Solution:

Available from ATCC as a sterile ready-to-use liquid (Trace Mineral Supplement, catalog no. MD-TMS.)

Nitilotriacetic acid, 1.5 g
MgSO₄·7H₂O, 3.0 g
MnSO₄·H₂O, 0.5 g
NaCl, 1.0 g
FeSO₄·7H₂O, 0.1 g
CoCl₂·6H₂O, 0.1 g
CaCl₂, 0.1 g
ZnSO₄·7H₂O, 0.1 g
CuSO₄·5H₂O, 0.01 g
AlK(SO₄)₂·12H₂O, 0.01 g
H₃BO₃, 0.01 g
Na₂MoO₄·2H₂O, 0.01 g
Distilled water, 1.0 L

Add nitilotriacetic acid to approximately 500 ml of water and adjust to pH 6.5 with KOH to dissolve the compound. Bring volume to 1.0 L with remaining water and add remaining compounds one at a time.