

ATCC medium: 2265 *Nitrosomonas europaea* medium

Solution 1:

(NH ₄) ₂ SO ₄ (for 50 mM NH ₄ ⁺)	4.95 g
KH ₂ PO ₄	0.62 g
MgSO ₄ · 7H ₂ O	0.27 g
CaCl ₂ · 2H ₂ O	0.04 g
FeSO ₄ (30 mM in 50 mM EDTA at pH 7.0)	0.5 ml
CuSO ₄ · 5H ₂ O	0.2 mg
Distilled water	1.2 L

Filter sterilize.

Solution 2:

KH ₂ PO ₄	8.2 g
NaH ₂ PO ₄	0.7 g
Distilled water	300.0 ml

Bring to pH 8.0 with 10N NaOH. Filter sterilize.

Solution 3 (buffer):

Na ₂ CO ₃ anhydrous	0.6 g
Distilled water	12.0 ml

Filter sterilize.

Complete medium:

Combine Solutions 1, 2 and 3. Dispense aseptically into desired aliquots.