1082: AMINIPHILUS MEDIUM

KH_2PO_4	0.30	g
K_2HPO_4	0.30	g
NH_4Cl	1.00	g
NaCl	10.00	g
KCl	0.10	g
$CaCl_2$ x 2 H_2O	0.10	g
$MgCl_2$ x 6 H_2O	0.50	g
Modified Wolin's mineral solution	10.00	ml
Trypticase peptone (BD BBL)	10.00	g
Yeast extract	2.00	g
Sodium resazurin (0.1% w/v)	0.50	ml
L-Cysteine HCl x H_2O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except cysteine), then sparge medium for 30 - 45 min with 100% N_2 gas atmosphere to make it anoxic. Add cysteine, adjust pH to 7.1 and dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. The pH of the complete medium should be 7.0 - 7.2.

Modified Wolin's mineral solution (from medium 141)

Nitrilotriacetic acid	1.50	g
$MgSO_4$ x 7 H_2O	3.00	g
$MnSO_4$ x H_2O	0.50	g
NaCl	1.00	g
$FeSO_4$ x 7 H_2O	0.10	g
$CoSO_4$ x 7 H_2O	0.18	g
$CaCl_2$ x 2 H_2O	0.10	g
$ZnSO_4$ x 7 H_2O	0.18	g
$CuSO_4$ x 5 H_2O	0.01	g
$AlK(SO_4)_2$ x 12 H_2O	0.02	g
H_3BO_3	0.01	g
Na_2MoO_4 x 2 H_2O	0.01	g
$NiCl_2$ x 6 H_2O	0.03	g
Na_2SeO_3 x 5 H_2O	0.30	mg
Na_2WO_4 x 2 H_2O	0.40	mg
Distilled water	1000.00	ml

First dissolve nitrilotriacetic acid and adjust pH to 6.5 with KOH, then add minerals. Adjust final to pH 7.0 with KOH.