ATCC medium: 1582 AOLPHA medium for *Halomonas*

NaCl.....100.0 g
$MgCl_2$. $6H_2O$ .....5.0 g
$MgSO_4$. $7H_2O$ .....9.5 g
KCl.....5.0 g
$CaCl_2$. $2H_2O$ .....0.2 g
$(NH_4)_2SO_4$.....0.1 g
KNO_3.....0.1 g
Peptone.....5.0 g
Yeast extract.....1.0 g
Metals Solution (see below).....20.0 ml
Phosphate Solution (see below)....20.0 ml
Vitamin Solution (see below).....1.0 ml
Agar.....15.0 g
Distilled water.....1.0 L

Adjust basal medium for a final pH of 7.0 and autoclave at 121C for 15 minutes. Cool to 50C and aseptically add the metals, phosphate and vitamin solutions.

Metals Solution:
Nitrilotriacetic acid.....10.0 g
$MgSO_4$. $7H_2O$ .....29.7 g
$CaCl_2$. $2H_2O$ .....3.3 g
Na_2MoO_4 . $2H_2O$.....12.7 mg
$FeSO_4$. $7H_2O$ .....99.0 mg
Metals 44 (see below).....50.0 ml
Distilled water to.....1.0 L

Solubilize NTA with KOH. Dissolve remaining ingredients and adjust to pH 7.2 with KOH or H_2SO_4. Autoclave at 121C for 15 minutes, and add aseptically to sterile basal medium.

Phosphate Solution:
K_2HPO_4 .....2.5 g
KH_2PO_4 .....2.5 g
Distilled water.....1.0 L

Autoclave at 121C for 15 minutes. Add aseptically to sterile basal medium.

Vitamin Solution:

Cyanocobalamin	0.1 mg
Biotin	2.0 mg
Calcium D-(+)-pantothenate	5.0 mg
Folic acid	2.0 mg
Nicotinamide	5.0 mg
Pyridoxine hydrochloride	10.0 mg
Riboflavin	5.0 mg
Thiamine . HCl	5.0 mg
Distilled water	1.0 L

Filter-sterilize and add aseptically to sterile basal medium.

Metals "44":

EDTA	0.25 g
$ZnSO_4 \cdot 7H_2O$	1.1 g
$FeSO_4 \cdot 7H_2O$	0.5 g
$MnSO_4 \cdot 7H_2O$	0.154 g
$CuSO_4 \cdot 5H_2O$	0.04 g
$Co(NO_3)_2 \cdot 6H_2O$	0.025 g
$Na_2B_4O_7 \cdot 10H_2O$	0.018 g
Distilled water	100.0 ml

Initially add a few drops of H_2SO_4 to the distilled water to retard precipitation.