802. GRACILIBACILLUS MEDIUM

NaCl	100.0	g/l
$MgSO_4$ x 7 H_2O	20.0	g/l
KCl	2.0	g/l
NaBr	0.1	g/l
Yeast extract (Difco)	2.0	g/l
Trypticase peptone (BBL)	2.0	g/l
Tris-HCl	12.0	g/l
Trace metals solution	2.0	ml
Distilled water	998.0	ml

Adjust pH to 7.8 (with NaOH) before autoclaving. To the sterile medium, from sterile stock solutions, add 10 ml KH_2PO_4 (50 g/l), 5 ml $CaCl_2$ (100 g/l), 2 ml $FeCl_2$/$MnCl_2$ ($FeCl_2$ x 4 H_2O, 20 g/l and $MnCl_2$ x 4 H_2O, 20 g/l), and glucose to a final concentration of 2 g/l.

Trace metals solution:

HCl (32%)	10.0	ml
$FeCl_2$ x 4 H_2O	2.0	g
$CoCl_2$ x 6 H_2O	250.0	mg
$MnCl_2$ x 4 H_2O	100.0	mg
$ZnCl_2$	70.0	mg
H_3BO_3	6.0	mg
Na_2MoO_4 x 2 H_2O	40.0	mg
$NiCl_2$ x 6 H_2O	70.0	mg
$CuCl_2$ x 2 H_2O	2.0	mg
$AlCl_3$ x 6 H_2O	60.0	mg
Na_2WO_4 x 2 H_2O	6.0	mg
Distilled water	to 1000.0	ml

Dissolve salts in the HCl in the oder given above, then make up the solution to 1 litre with distilled water.