603. ANCALOMICROBIUM MEDIUM

$(NH_4)_2SO_4$	0.250	g
Glucose	0.250	g
Vitamin solution (see below)	10.000	ml
Hutner's basal salts (see below)	20.000	ml
Na_2HPO_4	0.071	g
Distilled water	980.000	ml
pH 7		

Make up the medium without the vitamin solution and autoclave it. The filter-sterilized vitamin solution is added to the cooled medium. The medium may be solidified by adding 15 g/l agar. For DSM 3698, DSM 3699, DSM 5900 and DSM 5901 add 0.1 g/l yeast extract.

Vitamin solution:

Vitamin B_{12}	0.100	mg
Biotin	2.000	mg
Thiamine-HCl x 2 H_2O	5.000	mg
Ca-pantothenate	5.000	mg
Folic acid	2.000	mg
Riboflavin	5.000	mg
Nicotinamide	5.000	mg
Distilled water	1000.000	ml

Filter-sterilized

Hutner's salts:

Nitrilotriacetic acid (NTA)	10.000	g
$MgSO_4$ x 7 H_2O	29.700	g
$CaCl_2$ x 2 H_2O	3.335	g
$(NH_4)_6MoO_7O_{24}$ x 4 H_2O	9.250	mg
$FeSO_4$ x 7 H_2O	99.000	mg
"Metals 44" (see below)	50.000	ml
Distilled water	950.000	ml

Dissolve the nitrilotriacetic acid, adjust the pH to 7.0 with KOH (about 7.3 g). Dissolve other salts separately, combine and adjust the pH to 6.8 with NaOH or H_2SO_4.

(continued on next page)

"Metals 44":

Na-EDTA	250.000	mg
$ZnSO_4$ x 7 H_2O	1095.000	mg
$FeSO_4$ x 7 H_2O	500.000	mg
$MnSO_4$ x H_2O	154.000	mg
$CuSO_4$ x 5 H_2O	39.200	mg
$Co(NO_3)_2$ x 6 H_2O	24.800	mg
$Na_2B_4O_7$ x 10 H_2O	17.700	mg
Distilled water	1000.000	ml

Dissolve the EDTA and add a few drops of concentrated H_2SO_4 to retard precipitation of the heavy metal ions.