1426: SSE/HD 1:10 MEDIUM

This recipe contains strain-specific modifications for *Granulicella mallensis* DSM 23137 *

Final pH: * 5.5
Final volume: 1000 ml

Peptone	0.50	g
Yeast extract	0.25	g
Glucose	0.10	g
MES (10 mM final concentration)	1.95	g
SSE (double concentrated)	500.00	ml
Distilled water	500.00	ml

1. Add to 1000 ml of medium after autoclaving:

Trace element solution SL-10	1.00	ml
Vitamin solution	1.00	ml

2. adjust pH to 5.5

3. For solid medium use purified agar (Oxoid LP0028) which has to be autoclaved separately.

* Adjust pH of final medium to 5.5.

SSE (double concentrated)

$CaCl_2$ x 2 H_2O	0.2938	g
NH_4Cl	0.1069	g
$MgCl_2$ x 6 H_2O	0.2036	g
$(NH_4)_2SO_4$	0.1983	g
$MgSO_4$ x 7 H_2O	0.7390	g
$CaSO_4$ x 2 H_2O	0.8606	g
$Ca(NO_3)_2$ x 4 H_2O	0.2360	g
Na NO_3	0.4240	g
KH_2PO_4 (100 mM solution, 100 mM)	0.5000	ml
$FeSO_4$ x 7 H_2O	0.0111	g
K_2SO_4	0.0870	g
Distilled water	1000.0000	ml

Dissolve by shaking overnight. Sterilize by autoclaving.

Trace element solution SL-10 (from medium 320)

HCl (25%)	10.00	ml
$FeCl_2$ x 4 H_2O	1.50	g

$ZnCl_2$	70.00	mg
$MnCl_2 \times 4\ H_2O$	100.00	mg
H_3BO_3	6.00	mg
$CoCl_2 \times 6\ H_2O$	190.00	mg
$CuCl_2 \times 2\ H_2O$	2.00	mg
$NiCl_2 \times 6\ H_2O$	24.00	mg
$Na_2MoO_4 \times 2\ H_2O$	36.00	mg
Distilled water	990.00	ml

First dissolve $FeCl_2$ in the HCl, then dilute in water, add and dissolve the other salts. Finally make up to 1000.00 ml.

Vitamin solution (from medium 315)

Biotin	2.00	mg
Folic acid	2.00	mg
Pyridoxine hydrochloride	10.00	mg
Thiamine-HCl x 2 H_2O	5.00	mg
Riboflavin	5.00	mg
Nicotinic acid	5.00	mg
D-Calcium pantothenate	5.00	mg
Vitamin B_{12}	0.10	mg
p-Aminobenzoic acid	5.00	mg
Lipoic acid	5.00	mg
Distilled water	1000.00	ml