

**586. THAUERA AROMATICA MEDIUM****Solution A:**

KH <sub>2</sub> PO <sub>4</sub>	0.816	g
K <sub>2</sub> HPO <sub>4</sub>	5.920	g
Distilled water	500.000	ml

**Solution B:**

NH <sub>4</sub> Cl	0.530	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	0.200	g
KNO <sub>3</sub>	2.000	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.025	g
Na-benzoate	0.720	g
Distilled water	500.000	ml

Adjust solutions A and B to pH 7.8 for DSM 6898, or to pH 7.2 for other DSMZ strains, autoclave separately and combine after cooling. Add 10 ml of sterile trace elements solution SL-10 (see below) and 5 ml vitamin solution (see below).

*Trace element solution SL-10:*

HCl (25%; 7.7 M)	10.00	ml
FeCl <sub>2</sub> x 4 H <sub>2</sub> O	1.50	g
ZnCl <sub>2</sub>	70.00	mg
MnCl <sub>2</sub> x 4 H <sub>2</sub> O	100.00	mg
H <sub>3</sub> BO <sub>3</sub>	6.00	mg
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	190.00	mg
CuCl <sub>2</sub> x 2 H <sub>2</sub> O	2.00	mg
NiCl <sub>2</sub> x 6 H <sub>2</sub> O	24.00	mg
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	36.00	mg
Distilled water	990.00	ml

First dissolve FeCl<sub>2</sub> in the HCl, then dilute in water, add and dissolve the other salts. Finally make up to 1000.0 ml.

*Vitamin solution:*

Vitamin B <sub>12</sub>	50.00	mg
Pantothenic acid	50.00	mg
Riboflavin	50.00	mg
Pyridoxamine-HCl	10.00	mg
Biotin	20.00	mg
Folic acid	20.00	mg
Nicotinic acid	25.00	mg
Nicotine amide	25.00	mg
α-lipoic acid	50.00	mg
p-aminobenzoic acid	50.00	mg
Thiamine-HCl x 2 H <sub>2</sub> O	50.00	mg
Distilled water	1000.00	ml

Stir for some hours, filter sterilize the solution.