



**NRRL Medium No. 53**

BAP (+) Media for Frankia (FM BAP)

Per Liter of medium:

KH <sub>2</sub> PO <sub>4</sub> .....	0.950 g
K <sub>2</sub> HPO <sub>4</sub> .....	0.600 g
NH <sub>4</sub> Cl .....	0.270 g
Na-propionate .....	0.480 g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O .....	0.025 g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O.....	0.01 ml
Vitamin Solution.....	1.00 ml
Chelated Iron Solution .....	1.00 ml
Trace Element solution.....	0.10 ml
Water .....	1000 ml

Adjust media to pH 6.3 and autoclave at 121C for 30 minutes.

Stock Solutions:

Vitamin Solution

Thiamine HCl.....	10 mg
Nicotinic Acid.....	50 mg
Pyridoxine HCl.....	50 mg
Water.....	100 ml

**Filter sterilize and keep at 4C.**

Chelated Iron Solution

Citric Acid .....	1.0 g
Ferric citrate.....	1.0 g
Water.....	100 ml

**Autoclave after preparation before adding to media.**

Trace Element Solution

CoSO <sub>4</sub> x 7 H <sub>2</sub> O.....	0.001 g
CuSO <sub>4</sub> x 5 H <sub>2</sub> O .....	0.080 g
H <sub>3</sub> BO <sub>3</sub> .....	2.860 g
MnCl <sub>2</sub> x 4 H <sub>2</sub> O.....	1.810 g
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O.....	0.025 g
ZnSO <sub>4</sub> x 7 H <sub>2</sub> O .....	0.220 g
Water.....	100 ml

**Autoclave stock solution for storage.**