

**547. ISP MEDIUM 4****Solution I:**

Difco soluble starch, 10.0 g. Make a paste of the starch with a small amount of cold distilled water and bring to a volume of 500 ml.

**Solution II:**

CaCO <sub>3</sub>	2.0	g
K <sub>2</sub> HPO <sub>4</sub> (anhydrous)	1.0	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	1.0	g
NaCl	1.0	g
(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	2.0	g
Distilled water	500.0	ml
Trace salt solution	1.0	ml

The pH should be between 7.0 and 7.4. Do not adjust if it is within this range. Mix solutions I and II together. Add 20.0 g agar. Liquify agar by steaming at 100°C for 10 to 20 min.

*Trace salt solution:*

FeSO <sub>4</sub> x 7 H <sub>2</sub> O	0.1	g
MnCl <sub>2</sub> x 4 H <sub>2</sub> O	0.1	g
ZnSO <sub>4</sub> x 7 H <sub>2</sub> O	0.1	g
Distilled water	100.0	ml