

Main sol. 150a

$(\text{NH}_4)_2\text{SO}_4$	3.00	g
$\text{K}_2\text{HPO}_4 \times 3 \text{ H}_2\text{O}$	0.50	g
$\text{MgSO}_4 \times 7 \text{ H}_2\text{O}$	0.50	g
KCl	0.10	g
$\text{Ca}(\text{NO}_3)_2 \times 4 \text{ H}_2\text{O}$	0.02	g
Trace element solution	10.00	ml
Sulfur (powdered)	5.00	g
Distilled water	1000.00	ml

Dissolve ingredients except trace elements and sulfur. Adjust pH with 6 N H_2SO_4 to 2.5, dispense into suitable cultivation vessels and autoclave. After autoclaving add filter-sterilized trace elements solution (see below) and sterile sulfur powder. For sterilization place the sulfur in screw-capped tubes or bottles, wet with a few drops of water and heat for 3 hours to 90 - 100°C in a water bath on each of three successive days. Before use, aseptically layer the sulfur onto the surface of the autoclaved liquid basal medium.