

**150: ACIDIANUS BRIERLEYI MEDIUM**

(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	3.00	g
K <sub>2</sub> HPO <sub>4</sub> × 3 H <sub>2</sub> O	0.50	g
MgSO <sub>4</sub> × 7 H <sub>2</sub> O	0.50	g
KCl	0.10	g
Ca(NO <sub>3</sub> ) <sub>2</sub> × 4 H <sub>2</sub> O	0.02	g
Yeast extract	0.20	g
Sulfur (powdered)	10.00	g
Distilled water	1000.00	ml

Dissolve ingredients except yeast extract and sulfur. Adjust pH with 6 N H<sub>2</sub>SO<sub>4</sub> to 1.5 - 2.5. Yeast extract (10% w/v in distilled water) is autoclaved separately. For sterilization of the sulfur place it 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.