## Main sol. 815a

| | | |
|---|---|---|
| $Na_2SO_4$ | 3.00 | g |
| $CaCl_2$ x 2 $H_2O$ | 6.00 | g |
| NaCl | 40.00 | g |
| KCl | 2.00 | g |
| $NH_4Cl$ | 0.30 | g |
| $KH_2PO_4$ | 0.20 | g |
| $MgCl_2$ x 6 $H_2O$ | 8.00 | g |
| SrCl2 x 6 $H_2O$ | 0.10 | g |
| **Trace element solution SL-11** | 1.00 | ml |
| MOPS | 3.00 | g |
| Yeast extract | 1.00 | g |
| Sodium resazurin (0.1% w/v) | 0.50 | ml |
| Na-pyruvate | 2.50 | g |
| $Na_2CO_3$ | 0.50 | g |
| $Na_2S$ x 9 $H_2O$ | 0.10 | g |
| Distilled water | 1000.00 | ml |

1. Dissolve ingredients except pyruvate, bicarbonate and sulfide, adjust pH to 6.0 with NaOH and sparge medium for 30 - 45 min with 100% $N_2$ gas to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Before use add pyruvate (sterilized by filtration) and sulfide from sterile anoxic stock solutions prepared under 100% $N_2$ gas and carbonate from a sterile anoxic stock solution prepared under 80% $N_2$ and 20% $CO_2$ gas atmosphere. Final medium pH should be 7.2.

2. Note: Prior to inoculation 10-20 mg/l sodium dithionite (added from a 5% w/v solution freshly prepared under $N_2$ and filter-sterilized) can be added to the medium to stimulate growth at the beginning.