

## Main sol. 1073

### Solution 1

500.00 ml

### Solution 2

500.00 ml

1. Dissolve ingredients (except carbonates, vitamins, arsenate and sulfide), boil medium for 1 min., then cool to room temperature under N<sub>2</sub> gas atmosphere. Add solid carbonates and adjust pH to 9.8, then dispense under same gas atmosphere in culture vessels and autoclave.
2. Prior to inoculation, add vitamins, arsenate and sulfide from sterile, anaerobic stock solutions prepared under N<sub>2</sub> and check pH of the completed medium. The vitamin solution should be sterilized by filtration.
3. Growth of strain DSM 17814 takes place without visible increase in turbidity, hence proliferation of cells has to be checked using phase contrast microscopy.