

## **480d. THERMOPROTEUS UZONIENSIS MEDIUM**

Use medium 480, but reduce the amount of Na acetate to 1.0 g/l and add 3.0 g/l casitone. Prepare sulphide and vitamin stock solutions anaerobically. Autoclave the sulphide solution but filter sterilise the vitamins. Prepare the medium anaerobically under N<sub>2</sub>:CO<sub>2</sub> 80:20. Adjust the pH to 5.7 with HCl. Sterilise the medium by heating for 3 hours on three successive days at 90-100°C. Add the vitamins and sulphide to the sterilised medium before use. The final pH should be 5.7-6.0. Dr. Bonch-Osmolokaya supplied the information that the strain grows better on a peptone originally available in Russia. This product is no longer available, but it appears this product gave better growth than with highly purified products from Oxoid or Difco.