1225. THIOALKALIBACTER HALOPHILUS MEDIUM

**Mineral base:**
- Na$_2$CO$_3$ 95.0 g
- NaHCO$_3$ 15.0 g
- NaCl 16.0 g
- K$_2$HPO$_4$ 1.0 g
- Distilled water 1000.0 ml

Sterilize at 120°C 20 min in a closed vessel (i.e., a serum tube or bottle) with an air to liquid ratio of 10:1. pH after sterilization will be about 10.

**After sterilization add:**
- Trace elements solution (see medium 925) 1.0 ml/l
- MgCl$_2$ x 6 H$_2$O (200.0 g/l) 1.0 ml/l
  (a white colloid will form which will rapidly dissolve after mixing)
- Sodium thiosulfate pentahydrate (1.0 M - 248.0 g/l) 20.0 ml/l
- NH$_4$Cl - (1 M - 53.5 g/l) 4.0 ml/l

Inoculate and incubate with shaking.