

## 841. MSV-THIOTRIX-MEDIUM

### Solution I:

$(\text{NH}_4)_2\text{SO}_4$	0.500	g
$\text{MgSO}_4 \times 7 \text{ H}_2\text{O}$	0.100	g
$\text{CaCl}_2 \times 2 \text{ H}_2\text{O}$	0.050	g
$\text{K}_2\text{HPO}_4$	0.110	g
$\text{KH}_2\text{PO}_4$	0.085	g
$\text{FeCl}_3 \times 6 \text{ H}_2\text{O}$	0.002	g
$\text{Na}_2\text{-EDTA}$	0.003	g
Na-acetate	0.546	g
$\text{Na}_2\text{S}_2\text{O}_3 \times 5 \text{ H}_2\text{O}$	0.400	g
Distilled water	991.000	ml

Autoclave for 20 min. at 121°C.

### Solution II:

$\text{NaHCO}_3$  2.625 g per 50 ml distilled water

Autoclave for 20 min. at 121°C and add sterile solution II shortly, before inoculation of bacterial culture.

### Solution III:

$\text{H}_3\text{P}$ -vitamine solution (see medium 428)

Filter sterilize vitamine solution and add 1 ml/l medium.

### Solution IV:

10% inositol (1g/10 ml distilled water)

Filter sterilize solution IV and add 0.1 ml/l medium.  
Final pH of appr. 7.4 should be controlled sterile.