

**882. LEPTOSPIRILLUM (HH) MEDIUM****Solution A:**

$(\text{NH}_4)_2\text{SO}_4$	132.0	mg
$\text{MgCl}_2 \times 6 \text{ H}_2\text{O}$	53.0	mg
$\text{KH}_2\text{PO}_4$	27.0	mg
$\text{CaCl}_2 \times 2 \text{ H}_2\text{O}$	147.0	mg
Distilled water	950.0	ml

Adjust pH to 1.8 with 10 N  $\text{H}_2\text{SO}_4$ .

**Solution B:**

$\text{FeSO}_4 \times 7 \text{ H}_2\text{O}$	20.0	g
0.25 N $\text{H}_2\text{SO}_4$	50.0	ml

The pH of this solution should be 1.2.

**Solution C:**

Trace elements solution (see below)	1.00	ml
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Sterilize *solution A* and *solution C* by autoclaving at 121°C for 20 min and *solution B* by autoclaving at **112°C** for 30 min. Prior to use mix *solutions A* and *B* and add trace elements solution. The final pH of the medium should be 1.8.

*Note: Incubate statically without shaking.*

*Trace element solution:*

$\text{MnCl}_2 \times 4 \text{ H}_2\text{O}$	76.0	mg
$\text{ZnCl}_2$	68.0	mg
$\text{CoCl}_2 \times 6 \text{ H}_2\text{O}$	64.0	mg
$\text{H}_3\text{BO}_3$	31.0	mg
$\text{Na}_2\text{MoO}_4$	10.0	mg
$\text{CuCl}_2 \times 2 \text{ H}_2\text{O}$	67.0	mg
Distilled water	1000.0	ml

For DSM 27195 adjust pH of complete medium to 2.0.