

882: LEPTOSPIRILLUM (HH) MEDIUM

Solution A	950.00	ml
Solution B	50.00	ml
Solution C	1.00	ml

1. 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.

2. Note: At the beginning of growth incubate statically without shaking.

For DSM 27195: Adjust pH of complete medium to 2.0.

Solution A

(NH ₄) ₂ SO ₄	132.00	mg
MgCl ₂ x 6 H ₂ O	53.00	mg
KH ₂ PO ₄	27.00	mg
CaCl ₂ x 2 H ₂ O	147.00	mg
Distilled water	950.00	ml

Adjust pH to 1.8 with 10 N H₂SO₄.

Solution B

FeSO ₄ x 7 H ₂ O	20.00	g
H ₂ SO ₄ (0.25 N)	50.00	ml

The pH of this solution should be 1.2.

Solution C

Trace element solution	1.00	ml
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Trace element solution

MnCl ₂ x 4 H ₂ O	76.00	mg
ZnCl ₂	68.00	mg
CoCl ₂ x 6 H ₂ O	64.00	mg
H ₃ BO ₃	31.00	mg
Na ₂ MoO ₄	10.00	mg
CuCl ₂ x 2 H ₂ O	67.00	mg
Distilled water	1000.00	ml