

1078: FRIIS MEDIUM

This recipe contains strain-specific modifications for *Mesomycoplasma hyorhinitis* DSM 19103 *

Final pH: 7.4

Final volume: 161 ml

Bacto brain heart infusion	0.820	g
PPLO broth (GIBCO)	0.870	g
Hank's BSS (BSS)	50.000	ml
Distilled water	78.000	ml

1. Adjust to pH 7.4.

2. After autoclaving add:

Porcine serum (heat-inactivated)	30.000	ml
Yeast extract (autoclaved, 25%)	3.320	ml
Phenol red (filter-sterilized, 1%)	0.133	ml
Distilled water (autoclaved)	0.343	ml

* Aerobic plus 5% CO₂

Hank's BSS

Solution 1	25.00	ml
Solution 2	25.00	ml
Water	450.00	ml

25 ml solution 1 (4 g NaCl, 0.2 g KCl, 0.05 g MgSO₄ x 7 H₂O, 0.05 g MgCl₂ x 6 H₂O dissolved in 25 ml distilled water; then 0.0925 g CaCl₂ added and dissolved) and 25 ml of solution 2 (0.075 g Na₂HPO₄ x 2 H₂O, 0.03 g KH₂PO₄ dissolved in 25 ml distilled water) are autoclaved separately and then combined with 450 ml sterile H₂O.

Solution 1

NaCl	4.0000	g
KCl	0.2000	g
MgSO ₄ x 7 H ₂ O	0.0500	g
MgCl ₂ x 6 H ₂ O	0.0500	g
Distilled water	25.0000	ml
CaCl ₂	0.0925	g

Solution 2

Na ₂ HPO ₄ x 2 H ₂ O	0.075	g
KH ₂ PO ₄	0.030	g

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Distilled water

25.000

ml