

1264. SPIROCHAETA SP. MEDIUM**for DSM 14957, 14958, 14994**

NaCl	30.0	g
NH ₄ Cl	0.3	g
CaCl ₂ x 2 H ₂ O	0.3	g
MgCl ₂ x 2 H ₂ O	3.0	g
soluble starch	5.0	g
yeast extract	1.0	g
peptone (Difco)	5.0	g
phosphate buffer (10%, pH 7.4)	10.0	ml
trace elements (Pfennig) (see below)	1.0	ml
resazurin	0.5	ml
Distilled water	1000.0	ml

Boil medium and cool under N₂ stream on ice. Check pH (7.4). Autoclave aliquots and add the following sterile solutions (per 10 ml):

Na ₂ S (3%)	0.1	ml
Vitamine B ₁₂ (1 mg/10 ml)	50.0	μl

for **DSM 14994** the following **changes** are necessary:

NaCl	70.00	g
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additions:

Na ₂ S (3%)	0.20	ml
glucose (40%)	0.25	ml

Trace elements (Pfennig)

EDTA	500	mg
FeSO ₄ x 7 H ₂ O	200	mg

ZnSO ₄ x 7 H ₂ O	10	mg
H ₃ BO ₃	30	mg
CoCl ₂ x 6 H ₂ O	20	mg
NiCl ₂ x 6 H ₂ O	2	mg
Na ₂ MoO ₄ x 2 H ₂ O	3	mg
MnCl ₂ x 4 H ₂ O	3	mg
CuCl ₂ x 2 H ₂ O	1	mg
Distilled water	1000	ml