

1167: NSY-MEDIUM FOR POLYNUCLEOBACTER

This recipe contains strain-specific modifications for *Polynucleobacter acidiphobus* DSM 21994 *

Final pH: 7.2

Final volume: 1000 ml

Nutrient broth	1.00	g
Soy peptone (e.g. Bacto Soytone)	1.00	g
Yeast extract	1.00	g
Tap water	1000.00	ml

1. The following inorganic solution may substitute for tap water:

MgSO ₄ x 7 H ₂ O	75.00	mg
Ca(NO ₃) ₂ x 4 H ₂ O	43.00	mg
NaHCO ₃	16.00	mg
KCl	5.00	mg
K ₂ HPO ₄ x 3 H ₂ O	3.70	mg
Distilled water	1000.00	ml
Trace element solution SL-4	0.10	ml

2. Adjust to pH 7.2.

* Agar surface must be kept moist all the time

Trace element solution SL-4 (from medium 14)

Na ₂ -EDTA	0.50	g
FeSO ₄ x 7 H ₂ O	0.20	g
ZnSO ₄ x 7 H ₂ O	0.10	g
MnCl ₂ x 4 H ₂ O	0.03	g
H ₃ BO ₃	0.30	g
CoCl ₂ x 6 H ₂ O	0.20	g
CuCl ₂ x 2 H ₂ O	0.01	g
NiCl ₂ x 6 H ₂ O	0.02	g
Na ₂ MoO ₄ x 2 H ₂ O	0.03	g
Distilled water	1000.00	ml

First dissolve EDTA in distilled water and adjust pH to 7.0 using 2 N NaOH; then add other compounds.