

Jaworski's Medium

Author: Schlösser 1982

For freshwater algae.

Dissolve stock solutions 1 - 9 (1 ml each) in 1 litre of distilled water.

Component	Stock Solution (g.l ⁻¹ dH ₂ O)	Quantity Used (to 1 litre)
Ca(NO ₃) ₂ ·4H ₂ O	20,0	1 ml
KH ₂ PO ₄	12,4	1 ml
MgSO ₄ ·7H ₂ O	50,0	1 ml
NaHCO ₃	15,9	1 ml
EDTA solution	see following recipe	1 ml
Trace metals solution	see following recipe	1 ml
NaNO ₃	80,0	1 ml
Na ₂ HPO ₄ ·12H ₂ O	36,0	1 ml
Vitamin solution	see following recipe	1 ml

EDTA-solution

Component	Quantity Used (to 200 ml)
FeNa-EDTA	0,45 g
Na ₂ EDTA	0,45 g

Trace metals solution

Component	Quantity Used (to 200 ml)
H ₃ BO ₃	0,496 g
MnCl ₂ ·4H ₂ O	0,278 g
(NH ₄) ₆ Mo ₇ O ₂₄ ·4H ₂ O	0,20 g

Vitamins solution

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Component	Quantity Used (to 200 ml)
cyanocobalamin	0,008 g
thiamine HCl	0,008 g
biotin	0,008 g

Literature:

ANDERSEN, R.A. [ed.] 2005. Algal culturing techniques. Elsevier, Amsterdam, 578 pp.

SCHLÖSSER, U.G., 1982. Sammlung von Algenkulturen. - *Ber.Dt.bot.Ges.* 95: 181-276.