

EG:JM

NOTE: 1:1 mixture. See separate recipes. Mix then autoclave at 15 psi for 15 minutes.

EG (*Euglena gracilis* Medium)

Freshwater algae and protozoa

Stock	per litre
(1) CaCl ₂	1.0 g

Medium	per litre
Sodium acetate trihydrate	1.0 g
Lab-Lemco powder	1.0 g
Tryptone	2.0 g
Yeast extract	2.0 g
Stock solution (1)	10.0 ml

Add the above constituents and make up to 1 litre with deionised water. For agar, add 15 g per litre Bacteriological Agar. Autoclave at 15 psi for 15 minutes.

Reference

Schlosser UG (1982) Sammlung von algenkulturen. Berichte Der Deutschen Botanischen Gesellschaft 95: 181–276. – adapted for CCAP

Jaworski, G.H.M.; Talling, J.F.; Heaney, S.I. (1981). The influence of carbon dioxide-depletion on growth and sinking rate of two planktonic diatoms in culture. British Phycological Journal, 16(4), 395–410. – adapted for CCAP

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JM (Jaworski's Medium)

Freshwater algae

Stocks

per 200 ml

(1) Ca(NO ₃) ₂ .4H ₂ O	4.0 g
(2) KH ₂ PO ₄	2.48 g
(3) MgSO ₄ .7H ₂ O	10.0 g
(4) NaHCO ₃	3.18 g
(5) FeNa-EDTA	0.45 g
Na ₂ EDTA	0.45 g
(6) 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
(7) Cyanocobalamin	0.008 g
Thiamine HCl	0.008 g
Biotin	0.008 g
(8) NaNO ₃	16.0 g
(9) Na ₂ HPO ₄ .12H ₂ O	7.2 g

Medium

per litre

Stock solutions 1 - 9

1 ml each

Make up to 1 litre with deionised water. For agar, add 15.0 g per litre of Bacteriological Agar. Autoclave at 15 psi for 15 minutes.

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