

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 100 ml

(1) CaCl ₂	1.0 g
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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)	1.0 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

Reviewed: 5th June 2025

JM (Jaworski's Medium)

Freshwater algae

Stocks

per 200 ml

(1) $\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$	4.0 g
(2) KH_2PO_4	2.48 g
(3) $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$	10.0 g
(4) NaHCO_3	3.18 g
(5) FeNa-EDTA	0.45 g
Na ₂ EDTA	0.45 g
(6) H_3BO_3	0.496 g
$\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$	0.278 g
$(\text{NH}_4)_6\text{Mo}_7\text{O}_{24} \cdot 4\text{H}_2\text{O}$	0.20 g
(7) Cyanocobalamin	0.008 g
Thiamine HCl	0.008 g
Biotin	0.008 g
(8) NaNO_3	16.0 g
(9) $\text{Na}_2\text{HPO}_4 \cdot 12\text{H}_2\text{O}$	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.

Reviewed: 24th January 2024