

Allen

(NH ₄) ₂ SO ₄	132 mg
KH ₂ PO ₄	27.2 mg
MgSO ₄ · 7H ₂ O	24.6 mg
CaCl ₂ · 2H ₂ O	7.4 mg
Allen metals	0.01 mL
Distilled water	99.9 mL
pH 2.5 ¹⁾	

1) pH is adjusted to 2.5 with 0.5mol/L H₂SO₄.

Reference

- Allen, M. B. 1959 Studies with *Cyanidium caldarium*, an anomalously pigmented chlorophyte. *Arch. Mikrobiol.*, **32**, 270-277.
Starr, R. C., Zeikus, J. A. 1987 UTEX - The culture collection of algae at the University of Texas at Austin. *J. Phycol.*, **23**, Suppl. to Sept., 1-106.

Allen metals

Fe-EDTA	30.16 g
MnCl ₂ · 4H ₂ O	1.79 g
H ₃ BO ₃	2.86 g
ZnSO ₄ · 7H ₂ O	220 mg
CuSO ₄ · 5H ₂ O	79 mg
(NH ₄) ₆ Mo ₇ O ₂₄ · 4H ₂ O	130 mg
NH ₄ VO ₃	23 mg
Distilled water	100 mL

In the NIES-Collection, Allen metals are used after dilution with distilled water to 1/1,000.

Reference

- Allen, M. B. 1959 Studies with *Cyanidium caldarium*, an anomalously pigmented chlorophyte. *Arch. Mikrobiol.*, **32**, 270-277.