

1727: Z45/4 Medium for Cyanobacteria

This recipe contains strain-specific modifications for *Stigonema ocellatum* DSM 106950 *

Final volume: 1000 ml

KH ₂ PO ₄ (0.41 g/l stock solution)	100.00	ml
K ₂ HPO ₄ (4.35 g/l stock solution)	3.90	ml
CaCl ₂ x 2 H ₂ O (3.6 g/l stock solution)	3.60	ml
MgSO ₄ x 7 H ₂ O (7.5 g/l stock solution)	3.33	ml
Fe-EDTA complex	10.00	ml
Micronutrient solution (after H. Gaffron)	0.06	ml

1. Make up to 1000 ml with MilliQ water.
2. Autoclave at 121 °C for 20 min.

* Standing culture, light cycle: 16 hours illumination at 150-200 lux and 8 hours dark period, transfer interval of 8-12 weeks

Fe-EDTA complex

FeCl ₃ x 6 H ₂ O	135.00	mg
Na ₂ -EDTA x 2 H ₂ O	186.00	mg

Combine in deionized or distilled water and make up to 500 ml.

Micronutrient solution (after H. Gaffron) (from medium 1727)

Add to 100 ml of deionized or distilled water:

H ₃ BO ₃	310.00	mg
MnSO ₄ x H ₂ O	223.00	mg
Na ₂ WO ₄ x 2 H ₂ O	3.30	mg
(NH ₄) ₆ Mo ₇ O ₂₄ x 4 H ₂ O	8.80	mg
KBr	11.90	mg
KJ	8.30	mg
ZnSO ₄ x 7 H ₂ O	28.70	mg
Cd(NO ₃) ₂ x 4 H ₂ O	15.40	mg
Co(NO ₃) ₂ x 6 H ₂ O	14.60	mg
CuSO ₄ x 5 H ₂ O	12.50	mg
(NH ₄) ₂ Ni(SO ₄) ₂ x 6 H ₂ O	19.80	mg
Cr(NO ₃) ₃ x 7 H ₂ O	3.70	mg
VOSO ₄ x 2 H ₂ O	2.00	mg
AlK(SO ₄) ₂ x 12 H ₂ O	47.40	mg