

Medium for Euglena (Mixotrophic)

Preparation of base solution

(NH₄)₂(HPO₄) 0,02g
MgSO₄ x 7H₂O 0,05g
KH₂PO₄ 0,04g
CaCO₃ 0,02 g
L-Glutamic acid 0,2g
DL-Malic Acid 0,2g

Fill up with 100 ml distilled water

Preparation of extra solution 1 (EDTA/FeSO₄ x 7 H₂O):

0,025 g FeSO₄ x 7 H₂O + 0,0185 g EDTA fill up with 100 ml distilled water

Preparation of extra solution 2 (trace metals):

H ₃ BO ₄	0,143 g
MnCl ₂	0,09 g
ZnSO ₄ x 7 H ₂ O	0,011 g
CuSO ₄ x 5 H ₂ O	0,018 g

Fill up with 100 ml distilled water

Preparation of extra solution 3 (vitamins):

B12	One full ampule
B1	4 drops

Fill up with 40 ml distilled water

Preparation of final medium:

Add 8 drops of extra solution 1 and 2 to 100 ml of the base medium

If needed, adjust pH to 4,6 with KOH (buffer up) or HCl (buffer down)

Autoclave the medium.

Let the medium cool down to room temperature.

Add 8 drops of solution 3 (vitamins)