

COLECCIÓN ESPAÑOLA DE CULTIVOS TIPO (CECT)



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Iron-Manganese-Thiosulphate-Citrate MEDIUM. CECT 199

- NaCl 19.60 g
- Na₂SO₄ 3.30 g
- KCl 0.50 g
- KBr 0.05 g
- H₃BO₃ 0.02 g
- MgCl₂·6H₂O 8.80 g
- NaNO₃ 1.00 g
- Na₂S₂O₃·5H₂O 5.00 g
- Yeast extract 0.02 g
- PIPES buffer 1.00 g
- Sodium citrate 1.00 g
- Agar powder (only for solid media) 13.00 g
- Distilled water up to 1L

Autoclave, then aseptically add:

- FeSO₄·7H₂O (0.1% solution) 2.00 ml
- MnSO₄·H₂O 0.15 g
- CaCl₂·2H₂O 10.00 ml
- Trace Elements F solution 10.00 ml
- N/P solution 10.00 ml

Adjust to pH 7.0. The ingredients to add after autoclaving can be combined together and added via filter sterilization. The iron sulphate solution must be made immediately before use.

- Trace Elements F
- Al₂(SO₄)₃ 0.05 g
- H₃BO₃ 0.10 g
- LiCl 0.05 g
- MnCl₂·4H₂O 0.20 g
- Na₂MoO₄·2H₂O 0.10 g
- KBr 0.05 g
- KI 0.05 g
- NaF 0.05 g

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- $\text{VOSO}_4 \cdot 2\text{H}_2\text{O}$ 0.0005 g
 - $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$ 0.10 g
 - BaCl_2 0.005 g
 - $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$ 0.005 g
 - $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ 0.01 g
 - $\text{NiCl}_2 \cdot 6\text{H}_2\text{O}$ 0.01 g
 - Na_2SeO_4 0.005 g
 - $\text{SrCl}_2 \cdot 6\text{H}_2\text{O}$ 0.005 g
 - H_2WO_4 0.005g
 - Distilled water up to 1L
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- N/P Solution
 - $(\text{NH}_4)_2\text{SO}_4$ 43.00 g
 - KH_2PO_4 3.60 g
 - NaNO_3 60.3 g
 - Distilled water up to 1L

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