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## SN medium

Roscoff Culture Collection<sup>1</sup>

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Working

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Roscoff Culture Collection



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### ABSTRACT

Used for some cyanobacteria in particular *Synechococcus*.

- 1
  - Autoclave and filter aged seawater
  - Work under laminar flow hood.
  - Add to 800mL of seawater the following nutriment that have been autoclaved beforehand (except vitamin)

Quantity	Compound	Stock Solution
2,0 mL	EDTA disodium salt dihydrate (Na <sub>2</sub> EDTA-2H <sub>2</sub> O)	2,8 g/L
2,0 mL	Sodium carbonate dihydrate (Na <sub>2</sub> CO <sub>3</sub> -H <sub>2</sub> O)	6 g/L
2,0 mL	Sodium nitrate (NaNO <sub>3</sub> )	106,2 g/L
2,0 mL	Dipotassium phosphate (K <sub>2</sub> HPO <sub>4</sub> )	3,05 g/L
250 µL	Ammonium chloride (NH <sub>4</sub> Cl)	21,4 g/L
250 µL	Cyano Trace Metals (see recipe below)	
250 µL	Cyanocobalamin (Vit. B12)	8 µg/L
200mL	Steril milliQ water	
2,0 mL	Sodium sulfite (Na <sub>2</sub> SO <sub>3</sub> )	126 g/L

- Filter the medium on 0.2µm (do not autoclave)

## 2 Cyano Trace Metal Solution

- Dissolve all these components separately in milliQ water

Quantity	Compound
6,25 g	Citric Acid-H <sub>2</sub> O
6,0 g	Ferric Ammonium Citrate
1,4 g	Manganese (II) chloride tetrahydrate (MnCl <sub>2</sub> -4H <sub>2</sub> O)
0,39 g	Sodium molybdate dihydrate (Na <sub>2</sub> MoO <sub>4</sub> -2H <sub>2</sub> O)
0,025 g	Cobalt nitrate hexahydrate (Co(NO <sub>3</sub> ) <sub>2</sub> -6H <sub>2</sub> O)
0,222 g	Zinc sulfate heptahydrate (ZnSO <sub>4</sub> -7H <sub>2</sub> O)

- Combine the various solutions after full dissolution
- Make final volume up to 1L with milliQ water
- Store in refrigerator



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