

Supplementary Material

A closer look into the microbiome of microalgal cultures

Pia Steinrücken*, Steve Jackson, Oliver Müller, Pål Puntervoll, Dorinde M.M. Kleinegris

* **Correspondence:** Pia Steinrücken: pias@norceresearch.no

Supplementary Table S1. Final nutrient concentration in Conway and NORCE medium. In the NORCE medium micronutrients were added through a fertilizer (YaraTera REXOLIN APN, Bor 0.85%, Copper 0.25%, Iron 6%, Manganese 2.4%, Molybdenum 0.25%, Zink 1.3%), Cu, Mn and Zn are chelated with EDTA, and Fe with DTPA. In Conway micronutrients are chelated with EDTA.

Conway	Molarity (mmol/L)	NORCE	Molarity (mmol/L)
Macronutrients		Macronutrients	
Nitrate (NaNO ₃)	1.177	Nitrate (NaNO ₃)	12.47
Phosphate (NaH ₂ PO ₄ · H ₂ O)	0.113	Phosphate (KH ₂ PO ₄)	0.88
Silicate (Na ₂ SiO ₃ · 5H ₂ O)	0.141	Silicate (Na ₂ SiO ₃ · 5H ₂ O)	0.14
Micronutrients		Trace mineral mix	
H ₃ BO ₃	0.543	Boron (B)	0.031
CoCl ₂ · 6H ₂ O	0.00008		
CuSO ₄ · 5H ₂ O	0.00008	Copper (Cu)	0.002
FeCl ₃ · 6H ₂ O	0.008	Iron (Fe)	0.043
MnCl ₂ · 4H ₂ O	0.002	Manganese (Mn)	0.017
(NH ₄) ₆ Mo ₇ O ₂₄ · 4H ₂ O	0.0000073	Molybdenum (Mo)	0.001
ZnCl ₂	0.00015	Zink (Zn)	0.008
Vitamins		Vitamins	
B1	0.000297	B1	0.000297
B12	0.0000037	B12	0.0000037
Biotin	0.000021	Biotin	0.000021

