Assessment of microalgae species, biomass and distribution from spectral images using a convolution neural network

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Online Resource 1: Instructions for modified WC medium.

	Component	**g per litre (L) of the stock solution**	**mL stock per L medium**
A	$CaCl_2 \cdot 2H_2O$	36.8	1
B	$MgSO_4 \cdot 7H_2O$	37.0	1
C	$NaHCO_3$	12.6	1
D	$K_2HPO_4 \cdot 3H_2O$	11.4	1
E	$NaNO_3$	85.0	1
F	$Na_2SeO_3 \cdot 5H_2O$	0.002	1
G	$Na_2SiO_3 \cdot 5H_2O$	21.2	1
H	**Mineral solution**	**g per L of the stock solution**	1
	NaEDTA	4.360	
	$FeCl_3 \cdot 6H_2O$	3.150	
	$CuSO_4 \cdot 5H_2O$	0.010	
	$ZnSO_4 \cdot 7H_2O$	0.022	
	$CoCl_2 \cdot 6H_2O$	0.010	
	$MnCl_2 \cdot 4H_2O$	0.180	
	$Na_2MoO_4 \cdot 2H_2O$	0.006	
	H_3BO_3	1.000	
I	**Vitamin mix**		1
		Step I	**Step II (Stock solution)**
I.1	biotin	0.005 g per 50 mL H_2O	add 10 mL to **I.4**
I.2	cyanocobalmin (B_{12})	0.025 g per 25 mL H_2O	add 500 µL to **I.4**
I.3	pyridoxine (B_6)	0.0025 g per 25 mL H_2O	add 500 µL to **I.4**
I.4	thiamine HCl (B_1)	0.0050 per 450 mL H_2O	**add components I.1–I.3 and fill up to 500 mL**
Buffer		TES	**g L^{-1} in the medium** 0.115
pH		7.5	