

10.1071/MF13043_AC

©CSIRO 2013

Supplementary Material: *Marine and Freshwater Research* **64**, 679–686

Supplementary Material

Predator threat assessment in *Daphnia magna*: the role of kairomones versus conspecific alarm cues

J. L. T. Pestana^{A,B,C}, *D. J. Baird*^B and *A. M. V. M. Soares*^A

^ADepartment of Biology and CESAM, University of Aveiro, Campus Universitário de Santiago, 3810-193, Aveiro, Portugal.

^BEnvironment Canada, Canadian Rivers Institute, Department of Biology University of New Brunswick, 10 Bailey Drive, PO Box 4400, Fredericton, E3B 5A3, Canada.

^CCorresponding author. Email: jpestana@ua.pt

Table S1. Typical composition of seaweed-extract in dry powder form, and in the solutions used for *Daphnia* culture: (a) organic and inorganic fractions, and (b) chemical composition

(a)

Fraction	Minimum (%) ^(*)	Maximum (%) ^(*)	Average (%)	Dry Weight (%)	Stock (µg/ml) ^(**)	Added to culture (µg/ml)
Dry matter	92	95	93.5	-	6524.5	65.25
Organic matter	50	55	52.5	56.2	3663.5	36.63
Inorganic matter	40	45	42.5	45.5	2965.7	29.66

(b)

Compound	Average composition (% dry weight) ^(*)	Stock composition (µg/ml) ^(**)	Added to culture (µg/l) ^(**)
Chlorine	3.2086%	209.343	2093.43
Sulphur	2.8877%	188.409	1884.09
Potassium	2.6738%	174.452	1744.52
Nitrogen	1.4973%	97.693	976.93
Calcium	1.2834%	83.737	837.37
Magnesium	0.8556%	55.825	558.25
Phosphorus	0.0535%	3.489	34.89
Iodine	0.1925%	12.561	125.61
Iron	0.1604%	10.467	104.67
Boron	0.0118%	0.768	7.68
Zinc	0.0107%	0.698	6.98
Manganese	0.0014%	0.091	0.91
Aluminium	0.0005%	0.035	0.35
Nickel	0.0005%	0.035	0.35
Copper	0.0003%	0.021	0.21
Cobalt	0.0002%	0.011	0.11
Vanadium	0.0001%	0.005	0.05
Growth stimulants	0.0209%	1.361	13.61

^(*) values supplied by Glenside Organics Ltd, UK.

^(**) concentration of solutions based on the relative contribution of each element, as supplied by Glenside Organics Ltd, and the total amount of dry of matter used in the preparation of the stock solution.