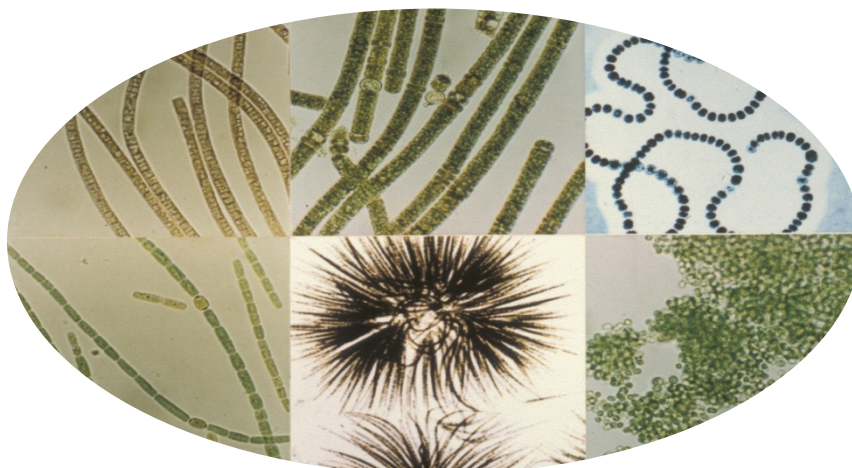


CyanoSol



CyanoSol aims to develop sustainable solutions for algae related problems in the aquatic environment in parallel with the exploitation of their diverse biosynthetic capabilities.

Expertise and Facilities

CyanoSol has a combined experience in excess of 50 years on the development, validation and implementation of novel and robust detection methods for important cyanobacterial metabolites and toxins. Our excellent analytical facilities include state-of-the-art UHPLC (ultra high performance liquid chromatography) coupled with high resolution mass spectrometry, GC-MS, HPLC with various specialist detectors and NMR. CyanoSol has excellent facilities for growth and downstream processing of cyanobacterial cultures including automated preparative HPLC. Tissue culture and microbiology suites for determination of compound bioactivity, along with enzyme and invertebrate assays. Excellent facilities and expertise for molecular methods including the use of microarrays, Northern, Western and Southern blotting, PCR, qPCR, RT-PCR and T-RFLP.

Cyanosol services

CyanoSol offers a wide range of services, all of which include a comprehensive report.

Service	Method(s)	Cost per sample (£)
Microcystins in water	HPLC-PDA (ISO 20179-2005)	1-5 - £500
		5-10 - £350
		>10 - £295
Intracellular microcystin	UHPLC-QToF	1-5 - £400
		5-10 £250
Extracellular/dissolved microcystin	UHPLC-QToF	1-5 - £400
		5-10 £250

Total microcystin in water	UHPLC-QToF	1-5 - £400 5-10 £250
Total microcystin in water	PP1 inhibition	1-5 - £200 5-10 - £100
Microcystin in tissue	UHPLC-QToF	1-5 - £650 5-10 - £500
Cylindrospermopsin in water	HPLC-PDA	1-5 - £400 5-10 - £295 >10 - £250
Cylindrospermopsins in tissue	UHPLC-QToF	1-5 - £650 5-10 - £500
Anatoxin(s) in water	UHPLC-QToF	1-5 - £400 5-10 - £295 >10 - £250
Anatoxin(s) in tissue	UHPLC-QToF	1-5 - £650 5-10 - £500
GSM and 2-MIB in water	GC-MS/SPE	1-5 - £400 5-10 £300 >10- £250
GSM and 2-MIB in fish	GC-MS/SPME	1-5 - £600 5-10 - £500 >10 - £450
Analysis of Bloom material	UHPLC-QToF	1-5 - £400 5-10 - £295
Identification of cyanobacteria	Microscopy	1-5 - £50 5-10 £30
Production of cyanobacterial biomass		Quotation on request
Small research contracts		Quotation on request
Routine Monitoring contracts		Quotation on request
High Sample Numbers		Quotation on request
Multitoxin analysis		Quotation on request

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