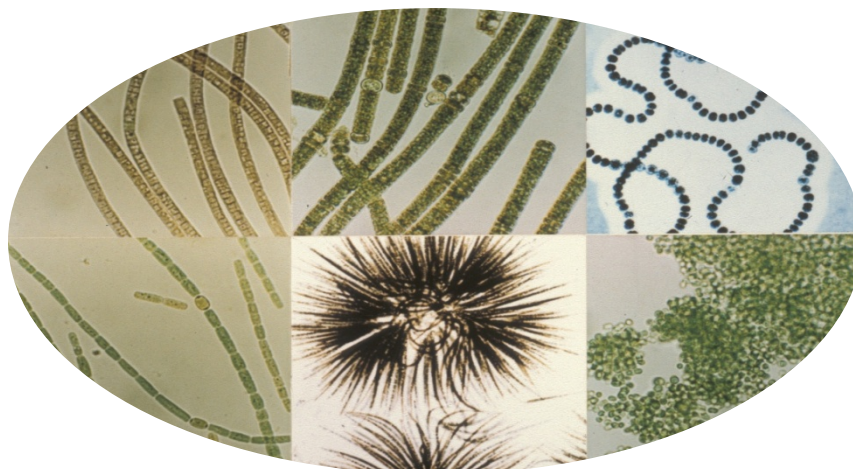


# CyanoSol



**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 included 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 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 (£)
<b>Microcystins in water</b>	HPLC-PDA (ISO 20179-2005)	1-5 - £500
		5-10 - £350
		>10 - £295
<b>Intracellular microcystin</b>	UHPLC-QTof	1-5 - £400 5-10 £250
<b>Extracellular/dissolved microcystin</b>	UHPLC-QTof	1-5 - £400 5-10 £250

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