

Capabilities:

The ICP-MS suite is equipped with an ICP-MS (Agilent 8900 and SPS 4 autosampler) for the analysis of elements in liquid or solid samples. The Agilent 8900 utilizes a triple-quadrupole (QQQ) that aids in the removal of spectral interferences for lower detection limits.

Solution analysis: This instrument allows for routine elemental sample analysis of a range of organic and inorganic samples following acid digestion.

Solid analysis: Solid samples can be analyzed for major and trace elements utilizing laser ablation (LA) techniques with the labs RESOLUTION-SE, compact 193 nm excimer laser ablation system. This system allows for high sensitivity and low fractionation.

Speciation: Speciation of a variety of trace elements can be performed using liquid chromatography (HPLC) as the sample introduction system. The lab is equipped with an Agilent 1200 HPLC system that can be coupled with the Agilent 8900.

Equipment and Analytical Costs for ICP-MS Analysis:

Unless otherwise stated, prices are given in New Zealand dollars and are exclusive of GST or applicable local tax. Prices are subject to change. For all services, users who intend ongoing use or have large scale projects are invited to negotiate a special contracted price. **NOTE:** QQQ methods may incur additional fees.

Service	Cost		
	Internal	Collaborative	External
ICP-MS Solution	\$15/sample up to (and including) 15 samples; all samples thereafter \$10/sample	\$30/sample	\$45/sample
LA-ICP-MS	\$110/hour	\$175/hour	\$250/hour
HPLC-ICP-MS	\$90/hour *Client will provide columns/solvents	\$140/hour	\$200/hour

Service	Cost
Method Development	\$90/hour
Sample Preparation	\$75/hour
Data Interpretation (peer reviewed)	\$200/hour

Feel free to contact us with any questions:

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