

Details of Training:

NUMBER OF DAYS	TIME	COURSE CONTENT	OUTLINE OF TRAINING
Day 1	9.00-9:30	Basic principles and concepts of ICP-MS	<ul style="list-style-type: none"> Overview & Fundamental of ICPMS
	9:30-11:00	Hardware considerations	<ul style="list-style-type: none"> Sample Introduction System Ionization Source RF Generator Ion Extraction System; Interface and Vacuum Ion Focusing System; QID (1st Q) Quad Lens Assembly Universal Cell Technology (2nd Q) Mass Filter; Quadrupole (3rd Q) Ion Detection System; ETP Detector
	11.00-12.00	Software considerations	<ul style="list-style-type: none"> Understand all software Icons
	12.00-1.00	Setup and optimization	<ul style="list-style-type: none"> Daily Workflow – Daily Performance check
	1.00-2:30	Lunch	
	2:30-4.45	Hands on session	<ul style="list-style-type: none"> Practical Training <ul style="list-style-type: none"> – Smart Tune, Set up method
	4.45-5.00	Questions & Answers Session	
Day 2	9.00-10.00	Interferences	Interferences that are expected: <ul style="list-style-type: none"> Physical Matrix Spectral
	10:00-11.00	Universal Cell Technologies	<ul style="list-style-type: none"> KED mode DRC mode
	11.00-12.00	Method Development	<ul style="list-style-type: none"> Sample preparation process Develop Method of Analysis Calibrate with Appropriate Standards Verify Calibration Analyse Samples Run Quality Control Checks with some frequency
	12.00-1.00	Data Reprocessing	<ul style="list-style-type: none"> How to process data
	1.00-2.30	Lunch	
	2:30-4.45	Hands on session	<ul style="list-style-type: none"> Practical <ul style="list-style-type: none"> – Optimized Cell Gas Flow – Set up Manual/Auto Analysis
	4.45-5.00	Questions & Answers Session	

Prerequisites

Students should have at least one month hands-on experience with the instrument and working knowledge of the software.