

Bishkek Branch Joint Lab

	Instrument	Type	Testing Indicators	Analyzing Contents
1	pH Meter	--	pH	pH value in water or soil samples, indicating the degree of acid and alkali in water or soil
2	TOC/TN Analyzer	Multi N/C 2100	Organic carbon or nitrogen	Total carbon content in soil or plant samples; the content of soluble organic carbon, total carbon and total nitrogen in water samples
3	X-Ray Energy Disperse Spectroscopy	ARL QUANT'X	Elements analysis	Major, minor and trace elements via simple sample preparation for a wide analysis range including solid, particles, powder, film and various forms of liquid
4	Ion Chromatograph	ICS600	Anion or cation	Content of chloride ion, sulfate ion, potassium ion, sodium ion, calcium ion and magnesium ion in water, soil or plant samples
5	UV-Vis Spectrophotometry	DR6000	Nitrate nitrogen, ammonia nitrogen, nitrite nitrogen or phosphorus	More than 80 items (e.g. COD) in the water under the complexing of HCAH pre-prepared special reagents
6	UV-Vis Spectrophotometry	Cary 60	UV-visible light absorption	Content of soluble sugar, soluble protein, proline, starch, peroxidase, malondialdehyde, catalase and superoxide dismutase in plant samples; the total phosphorus content in plant and soil samples, including organic phosphorus and inorganic phosphorus
7	Potentiometric Compact Titrators	G20	pH, acid-alkali titration, complexometric titration	pH value in water or soil samples, indicating the degree of acid and alkali in water or soil; and the carbonate or bicarbonate in soil
8	Autoclave	HVE-50	Autoclaving	Microbiological analysis environment
9	Water Purification System	FBZ2002-UP	Pure water or ultra-pure water	Supply of the pure water or ultra-pure water
10	High-speed Centrifuge	GL-20G-II	Centrifugal separation	Solid-liquid centrifugal separation
11	Analytical Balances	Ssrtorius BT 25S	Accurate weighing	Accurate weighing
12	Constant Temperature Incubator	--	Constant temperature environment	Constant temperature incubation
13	Ultra-low Temperature Refrigerator	--	Ultra-low temperature environment	Preservation of samples in ultra-low temperature environment
14	Conductivity Meter	DDSJ-308A	Electrical conductivity	Measuring the electrical conductivity
15	Sterile Table	--	Sterile environment	Microbiological analysis environment
16	Ultrasonic Cleaner	KQ-500E	Ultrasonic oscillation	Ultrasonic cleaning of samples or vessels
17	Electric Thermo Static Drying Oven	--	Drying	Thermo drying of samples or vessels
18	Water Bath Oscillator	--	Oscillation extraction	Oscillation extraction of samples
19	Portable X-Ray Fluorescence Spectrometer	Genius	Elements analysis	No sample preparation is required for field analysis as the measuring can be done directly on the surface of tested objects, and various types of sample can be analyzed including electronic/electrical products, alloy samples, geological minerals, soil, rock, dirt, residue, solid granule, liquid sediments, etc.