

RA-915Lab Operation Modes

	Operation mode						
	1	2	3	4	5	6	7
Air flow rate, L/min ($\pm 20\%$)	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Initial temperature inside the atomizer, °C (± 30 °C)	750	550	250	750	300	850	850
Final temperature inside the atomizer in the end of scenario, °C (± 30 °C)	850	750	750	850	850	850	850
Mode duration*, s	100	160	210	100	320	65	105

* Basic mode duration. RAPID software is automatically adjusting time of analysis based on the pattern of the analytical signal.

Sample	Recommended mode
Soils, sediments	Mode 1
High mercury content (5 – 2000 ppm)	Mode 5
Ores, minerals	Mode 4
High mercury content (5 – 2000 ppm)	Mode 5
Mercury containing wastes	Mode 5
Coal	Mode 2
Peat, lignite and subbituminous coals	Mode 2
Bituminous and antracite coals	Mode 1, 4
Foodstuff	Mode 2
Grain, feed, fodder and other agricultural products	Mode 2
Water and water solutions	Mode 2, 7
Cosmetics	Mode 2
Non-greasy products, shampoo, gels, tonics	Mode 2
Greasy products, or products with high content of the organic solvents or dyes (hair dyes)	Mode 3
Pharmaceutical products and substances	Mode 2
Biological samples (blood, tissues, hair, nails, etc.)	Mode 2
Crude oil and oil products (naphtha, gasoline, etc.)	Mode 3
Boats annealing	Mode 6

