

ESI Table 1. HR-MC-ICPMS operating conditions.

1. Sample introduction and ICP conditions

Nebulizer	Micro-flow PFA nebulizer, PFA-50 (ESI, USA), self-aspiration (flow rate: 50 $\mu\text{L min}^{-1}$)
Spray chamber	Scott double-pass, made of PFA Teflon, no cooling
Plasma power	1.2 kW (27.12 MHz)
Torch	Quartz glass torch with sapphire injector
Plasma Ar gas flow rate	15 L min^{-1}
Auxiliary Ar gas flow rate	0.80 L min^{-1}
Nebulizer Ar gas flow rate	1.06 L min^{-1}

2. Interface

Sampling cone	Made of Ni
Skimmer cone	Made of Ni (X-skimmer)

3. Data acquisition conditions

Resolution	$M/\Delta M \sim 3000$
Washing time	480 sec after measurement
Uptake time	90 sec
Background data integration	4 sec for 1 cycle, 20 cycles in one run
	On-peak zeroes
Sample data integration	4 sec for 1 cycle, 20 cycles in one run