

Templates: Instrumental Descriptions for ICP-MS

(*Agilent 8800 triple quadrupole* mass spectrometer; Laboratory for Mass Spectrometry)

ICP-MS measurements were performed with an *Agilent QQQ 8800 Triple quad* ICP-MS spectrometer, equipped with a standard x-lens setting, nickel cones and a “micro-mist” quartz nebulizer. The feed was 0.1 ml/min, the RF power 1550 W. Tune settings were based on the *Agilent* General Purpose method and only slightly modified by an autotune procedure using an Agilent 1 ppb tuning solution containing Li, Y, Ce and Tl. Values are reported as the average of 30 sweeps x 3 replicates. Elements were measured in a “helium-mode”. The name is referring to the gas in the reaction cell. All solutions were prepared from 60% HNO₃ (*Merck* 1.01518.1000 ultrapure), 30% HCl (*Merck* 1.01514.1000 ultrapure), or aqua regia (1:3 mixture of 60% HNO₃ and 30% HCl 1:3, ultrapure) and 18.2 MΩ Millipore water. Elements were measured against a serial dilution made with the following standards: *Cobalt: *Merck* 1.70313.0100 in 2% HNO₃, *Rhenium: *Merck* 1.70344.0100 in H₂O. Indium: *Merck* 1.70324.0100 in 2% HNO₃ was used as internal standard.

* check for effectively used elements.