

ICPMS (Agilent 7900)

In Agilent ICPMS 7900 a sample solution is nebulized to form a fine aerosol, a portion of which is carried by an Ar gas stream to the ICP(Plasma) to ionize the sample. The sample ions are extracted from the plasma into a vacuum system containing a quadrupole mass filter. The ions are transported by an ion optic system to the analyzer where they are separated by their mass to charge ratio (m/z). The ions of a specific m/z value are selected and counted by an electron multiplier detector. The count rate obtained for the ions of the particular element is compared with a calibration plot to give the concentration for that element in sample.



<http://www.agilent.com/en-us/products/icp-ms/icp-ms-systems/7900-icp-ms>