

Ion Chromatography

The Ion Chromatographs can be fitted with different column types allowing for the measurement of many different cationic and anionic species.

Dionex DX500

The DX500 Ion Chromatograph is currently configured for the analysis of Cations.

The DX500 measures levels of ammonium, lithium, sodium, potassium, magnesium and calcium in aqueous samples.

A minimum of 5mL of sample is required for each analysis. The instrument is not suitable for concentrated samples over 100mg/L. Detection is achieved through measurement of conductivity changes in the column eluent at the cations individual elution time.



Dionex ICS2000

The Dionex ICS2000 Ion Chromatograph is currently configured to analyse Anions.

The ICS2000 measures levels of fluoride, chloride, nitrite, sulphate, bromide, nitrate, and phosphate in aqueous samples.

A minimum of 5mL of sample is required for each analysis and the instrument is not suitable for samples over 100 mg/L concentration. Detection is achieved through measurement of conductivity changes in the column eluent at the cations individual elution time.

