



Introduction

• ion chromatography is a process that allows the separation of ions and polar molecules based on their affinity to the ion exchanger. It can be used for almost any kind of charged molecule including large proteins, small nucleotides and amino acids. The solution to be injected is usually called a **sample**, and the individually separated components are called **analytes**. The media that carries **ions are called elutes**.































Uses

- Clinical utility
 Used in measurement of porphyrin & water purification.
- Industrial Applications Allows for quantitative testing of electrolyte and proprietary additives of electroplating baths. It is an advancement of qualitative cell testing or less accurate UV testing. Ions, catalysts, brighteners and accelerators can be measured.

Operation Steps

- > 1, Preparation of elutes.
- 2, Dilute the sample into a properly concentration.
- 3, Preparation of standard solutions. (0.2 mg/L to 10 mg/L)
- 4, Place sample and solutions on the autosampler.
- > 5, Run the program

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