

離子層析儀

Ion Chromatograph

Model : DIONEX ICS-1000

一、測試目的：

溶液中所含離子之定性及定量分析。

二、樣品準備須知及注意事項：

- 1.對樣品溶液中的離子進行鑑定及分析含量時，必須就其可能含有的離子準備標準溶液。
- 2.本儀器所使用的方法：
導電度測定法：適用於分析 pK_a 或 pK_b 小於7的離子。
- 3.使用超純水配製溶液。
- 4.自備流洗液。

三、限制：

- 1.樣品須經過濾 ($0.45\ \mu m$) 以免堵塞管柱。
- 2.使用者若自備 Column 則使用期可延至兩星期。

四、使用方法：

- 1.系內使用以登記申請，經儀器負責老師許可後可自行操作。
- 2.系外單位使用，須經登記申請系上同意方可使用。

五、負責老師：陳崇賢

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I. Purpose:

Ions contained in the solution of qualitative and quantitative analysis

II. The sample preparation instructions and precautions:

1. Identification and analysis of the content of the ion in the sample solution may contain ions must prepare a standard solution.
2. The instrument method used:
Determination of conductivity: for analysis of ion, the pKa or pKb is less than 7.
3. Use of ultra-pure water for the preparation of the solution.
4. Eluent self-prepared by the user.

III. Restrictions:

1. Sample must be filtered (0.45 μ m) to prevent blockage of the column.
2. Users who use self-Column can be extended to two weeks of.

IV. Application:

1. Registration for application is required. User is required to operate the instrument him or her self.
2. Application should be signed by the chairman of the Chemical Engineering Department and the professor-in-charge for non-Chemical Engineering major students.

V. Professor-In-Charge: Chorng-Shyan Chern(陳崇賢)