

感應耦合電漿原子發射光譜儀(ICP-OES)使用申請單

No. \_\_\_\_\_

日期： 年 月 日 時 至 年 月 日 時

實驗條件：欲測元素：\_\_\_\_\_

(請勾選樣品是否含 HF 水溶液)

☐ 僅限於水溶液樣品，必須使用 0.22 um 之濾頭過濾樣品。

☐ 樣品含 HF 水溶液，需使用耐 HF 配件(需自備)。

自備零件及藥品：氬氣(純度 4N5 以上)、標準溶液(AA 等級以上)、2% HNO<sub>3</sub>、5% HNO<sub>3</sub>、超純水。

1. 願遵守精密儀器及常用設備管理辦法。 借用人：\_\_\_\_\_
2. 儀器如有損壞，願意負責修復。 指導教授：\_\_\_\_\_
3. 儀器負責老師意見： 簽名：\_\_\_\_\_
4. 技術員意見：( 借用人此次申請應繳儀器維金 \_\_\_\_\_ 元  
借用人本學年累計應繳 \_\_\_\_\_ 元。 )
5. 外系或外校申請者請系主任簽名： \_\_\_\_\_

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No. \_\_\_\_\_

日期： 年 月 日 時 至 年 月 日 時

1. 請閱讀精密儀器及常用設備管理辦法。 借用人：\_\_\_\_\_
2. 使用前先在儀器保養維護記錄簿上登記。
3. 消耗性器材(紙、筆等)由系採購再由使用者按登記使用時間比例分擔。
4. 本系使用者繳儀器維修基金：400 元/小時，一年繳滿 20000 元者，則該年內不需再行繳交。校內外系：1000 元/小時。校外研究單位：1500 元/小時。關於儀器維修基金之繳交，本系使用者得於次一學年開始之兩月內繳清，未繳清前，不得再借用該儀器。
5. 於使用時間內如超過 24 小時不使用，應通知技術員，否則即取消該次使用權利，並縮短其往後登記使用該儀器之最長期限。
6. 嚴禁自行移動儀器之任何元件，由技術員操作。違者，禁止再使用該儀器。

\* 本儀器目前負責之技士為 鄭郁璇 暫代 (E2-100)

\* 本儀器目前負責之老師為 曾堯宣 老師 (E2-811)

## Registration form for Inductively coupled plasma optical emission spectrometry

Scheduled date (Month/Date/Year): \_\_\_\_\_ No. \_\_\_\_\_

Usage time: \_\_\_\_\_

Elements to be analyzed : \_\_\_\_\_

1. Please check one below to indicate whether your sample contains HF solution:

☐ Only Aqua solution, no organic solution, and solution must be filtered with 0.22um syringe filter

☐ Sample containing HF solution (accessories need prepared by yourself).

Essentials self-prepared by the user: : 2% HNO<sub>3</sub> 、 5% HNO<sub>3</sub> 、 Standard solution 、 Ultra-pure water.

1. I will follow all regulations and instructions of the instrument. User's signature: \_\_\_\_\_

2. I am willing to take the repairing responsibility if the instrument is damaged.

Advisor's Signature: \_\_\_\_\_

3. Comments from the professor-in-charge:

4. Comments from the instrument technician: (usage fee to be charged: \_\_\_\_\_ NT dollar.)  
(Accumulated charged usage-fees of this academic year : \_\_\_\_\_ NT dollar.)

5. Signature of the chairman of the Chemical Engineering Department :

(Required for applicants from departments/institutions other than Chemical Engineering)

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## Registration form for Inductively coupled plasma optical emission spectrometry

Scheduled usage (Month/Date/Year): \_\_\_\_\_ No. \_\_\_\_\_

Scheduled usage time: \_\_\_\_\_

User name: \_\_\_\_\_

1. Please carefully read the instrument manuals and the regulations before the usage.

2. Be sure to take a record of the usage in the register before operating the instrument.

3. Consumption goods, such as paper and pens, will be provided by the department with the fee shared by all the users and charged to each user based on the accumulated usages.

4. Rates for instrumentation usage:

(1) Ch.E., NTUST users: 400 NT dollars/hr. Maximum charges for an academic year: 20000 NT dollars. NO registration will be allowed if the charged fees of the previous year are not paid off within the first two months of the new academic year.

(2) Users from other NTUST departments: 1000 NT dollars/ hr.

(3) Users from other institutions: 1500 NT dollars/hr.

5. DO inform the technician within 24 hours of the scheduled time if you want to cancel the reservation. Otherwise you will still be charged.

Professor-in-charge for ICP-OES Yao-Hsuan Tseng/曾堯宣 ( E2-811 )

Technician for ICP-OES Nicole Cheng/鄭郁璇暫代 ( E2-100 )