

附件1-1、化工系掃描式電子顯微鏡（JEOL-JSM-IT800）使用申請單

No. _____

申請日期： 年 月 日 時

測試日期： 年 月 日 時 至 年 月 日 時

測試項目：1. Measurement type: SEM EDS STEM

待測樣品(請列出元素): _____

樣品不得為揮發性物質、有機物質、有毒物質、磁性物質、未固化之粉末試樣。樣品保持清潔及乾燥，油污及腐蝕液須清洗乾淨並烘乾 不穩定物質需先於校貴儀SEM7900確定穩定性。

1. 使用者對儀器之熟稔情形：

教育訓練(訓練人員姓名：_____);

B級操作員(完成SEM訓練考核);

A級操作員(考核後自行操作10小時)

2. 借用人 在借用期間若因操作不當造成儀器或其配件損壞，並影響後續使用者之借用權益，需自行負擔相關賠償責任

3. 使用後於「儀器使用記錄簿」登記務必填寫機臺使用時數、EDX 量測次數及鍍白金次數等資料。並務必確實清潔並將儀器及其配件歸位，關閉電腦螢幕及室內電燈。本儀器已經訂定任何違規以及錯誤操作的懲處規定，違反者依規定警告或停權處分。

4. 使用載台時務必謹慎，以免造成損壞。使用後請避免過度鎖緊螺絲，以防止螺孔因反覆鬆脫而產生變形或擴孔。

5. 本系使用者需繳儀器維修基金：本儀器依使用者身份別收費如下：本系（Ch.E.）使用者自行操作為 NT\$300/小時，委測為 NT\$1,200/小時。

6. 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，且照常收費，並縮短其往後登記使用該儀器之最長期限。

7. 嚴禁自行移動儀器之任何元件，由技術員或Superuser操作。違者禁止再使用該器。

8. 自行操作以及委託操作都必須填寫預約單，若沒提交預約單並給儀器負責人簽章，視同沒有預約。

*本儀器目前負責之Superuser為 王碩暉 (E2-510)

*本儀器目前負責之老師為 江偉宏 (E2-510)

本人已詳閱並同意上述內容並願遵守精密儀器及常用設備管理辦法。

借用人簽名：_____

指導教授簽名：_____

儀器負責老師意見及簽名：_____

外系或外校申請者，請化工系主任簽名：_____

Application Form for Use of the SEM (JEOL-JSM-IT800) in the Department of Chemical Engineering

Registration date (Month/Date/Year): _____

Registration time: _____

1. Measurement type : SEM EDS STEM

Material Used for Testing (Please list all elements) : _____

****Samples must be non-volatile, non-organic, non-toxic, non-magnetic, and fully solidified. Ensure all samples are clean, dry, and free of oil or corrosive residues.** Stability check using SEM 7900 is necessary.**

1. User qualification level:

Training completed (Trainer's name: _____)

Level B operator (SEM training certified)

Level A operator (qualified after completing 10 hours of independent operation)

2. During the usage period, if any damage to the instrument or its components is caused by improper operation and affects subsequent users, the user shall be fully responsible for the associated compensation.

3. After use, users must record all relevant information in the Instrument Usage Logbook, including operating time, number of EDX measurements, and platinum coating counts. Users must also clean the instrument thoroughly, return all components to their original positions, and turn off the computer monitor and room lights. Any violations or improper operations are subject to warnings or suspension according to established regulations.

4. Please handle the sample stage with care to avoid accidental damage. After use, avoid over-tightening screws to prevent deformation or enlargement of the threaded holes due to repeated loosening.

5. Instrument maintenance fee (for Ch.E. users): The instrument usage fee is charged based on user category. Ch.E. users are charged NT\$300 per hour for self-operation and NT\$1,200 per hour for assisted measurement.

6. If the instrument is reserved but remains unused for more than 24 hours during the reserved period, the user must notify the technician. Otherwise, the reservation will be canceled, charges will still apply, and future reservation privileges may be restricted.

7. Unauthorized movement of any instrument components is strictly prohibited. All such operations must be performed by the technician or authorized superuser. Violators will be prohibited from further use of the instrument.

8. Both self-operation and assisted measurement require submission of a reservation form. Failure to submit the form and obtain approval from the instrument supervisor will be considered as no reservation.

I have read and agree to the above terms and undertake to comply with the Regulations on the Management of Precision Instruments and Common Equipment.

User's signature: _____

Advisor's Signature: _____

Signature and comment from Professor-in-charge of the instrument: _____

Signature of the chairman of the Chemical Engineering Department: _____