

# 化工系凝膠滲透層析儀-Waters ( GPC ) 使用申請單

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

日期： 年 月 日 時 至 年 月 日 時

GPC-Aqueous Phase(限水溶性高分子)

樣品名稱： \_\_\_\_\_

自備零件及藥品：標準樣品、mobile phase、特殊分離管、0.22  $\mu$  Filter

- 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：
- 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： \_\_\_\_\_

---

# 化工系凝膠滲透層析儀-Waters ( GPC ) 使用核准單

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.實驗前 Solvent 及 Sample 應以 0.22  $\mu$  過濾膜過濾及 degas。流速不得超過 0.8 mL/min
- 5.調整流速時應慢慢遞增或遞減，俟其流速穩定，壓力不再變化時，再行調整。
- 6.注入的樣品需經 filter 過濾，過濾後的溶液需澄清無雜質。
- 7.本系使用者每次申請儀器使用一天，需繳儀器維修基金 500 元，一學期年繳滿 20000 元者，則該學年內不需再行繳交，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。校內外系每天 1700 元，校外研究單位每天 4250 元。
- 8.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。

\*本儀器目前負責之技士為 \_\_\_\_\_ 黃雅慧 \_\_\_\_\_

\*本儀器目前負責之老師為 \_\_\_\_\_ 邱昱誠 \_\_\_\_\_

化工系凝膠滲透層析儀-Waters ( GPC ) )使用申請單

**Registration form for Gel Permeation Chromatograph (GPC)**

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

Registration date (Month/Date/Year):\_\_\_\_\_

Registration time:\_\_\_\_\_

**GPC (for water-soluble polymers sample only. Use your own separation columns for other samples.)**

Analysis details: **Sample Name:**\_\_\_\_\_

1. I will follow all the 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)

---

化工系凝膠滲透層析儀-Waters ( GPC ) )使用申請單

**Usage Permission for Gel Permeation Chromatograph (GPC)**

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

Scheduled usage (Month/Date/Year):\_\_\_\_\_

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: 500 NT dollars/ day, Maximum charges for an academic year: 20,000 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: 1700 NT dollars/day
  - (3) Users from other institutions: 4250 NT dollars/day.
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 GPC Yu-Cheng Chiu 邱昱誠 (E2-712)

Technician for GPC Ya-Hui Huang 黃雅慧 (E2-205-2)