

ASPC 蛋白質晶體篩選及結構決定服務送件流程

一、 樣品上機前置流程

1. 於**送件前**，請預先查詢與樣品相同或性質相近的蛋白質養晶條件，以利於 Screening conditions 的選擇。
2. 查詢本核心設施所提供的 Crystallization screening suites，請至 **ASPC 設施網頁**，**PX-01 自動點晶篩選 (附件一)**。
3. 對於 Screening conditions 條件選擇有疑問者請洽黃開發博士 (02-27855696#3090; huangkf@gate.sinica.edu.tw)。
4. 請於樣品準備好**前一星期**，送出蛋白質晶體篩選服務案件申請。
(詳細流程說明請見下方第二項)
5. 送出案件申請後，施惠玲小姐將於**一個工作天**內與您預約確認**上機及進行 pre-crystallization test (PCT)測試**日期與時間
(02-27855696#3140; mbce00326@gate.sinica.edu.tw)。
6. 要進行 pre-crystallization test (PCT) 時，請於與施惠玲小姐預約之日期攜帶蛋白質樣品 **10 μ l** (小量濃縮至濃度約 **10 mg/ml**) 至生化所養晶室(R314)。以確保上機當日您的蛋白質樣品處於最適合之濃度預防上機當日蛋白質樣品沉澱。

二、案件申請流程

步驟一、進入中研院預約系統 ➡ 案件申請 ➡ 新申請



步驟二、點選 ASPC 整合型蛋白結構與功能分析核心設施



步驟三、選擇合適的身份並點選申請

ASPC整合型蛋白質結構與功能分析核心設施			
	設備/場地名稱	所屬單位/部門	所在地點
申請	ASPC Protein QC Basic Package - AS user	儀器服務中心	IBC 414-2
申請	ASPC Protein QC Basic Package - non-AS academic user	儀器服務中心	IBC 414-2
申請	ASPC Protein QC Basic Package - non-AS industrial user	儀器服務中心	IBC 414-2
申請	ASPC Protein QC Deluxe Package - AS user	儀器服務中心	IBC 414-2
申請	ASPC Protein QC Deluxe Package - non-AS academic user	儀器服務中心	IBC 414-2
申請	ASPC Protein QC Deluxe Package - non-AS industrial user	儀器服務中心	IBC 414-2
申請	ASPC Protein QC SEC-MALS only - AS user	儀器服務中心	IBC 414-2
申請	ASPC Protein QC SEC-MALS only - non-AS academic user	儀器服務中心	IBC 414-2
申請	ASPC Protein QC SEC-MALS only - non-AS industrial user	儀器服務中心	IBC 414-2
申請	ASPC Protein X-ray Crystallography Service (for AS users)	儀器服務中心	IBC 314
申請	ASPC Protein X-ray Crystallography Service (for Industrial users)	儀器服務中心	IBC 314
申請	ASPC Protein X-ray Crystallography Service (for non-AS academic users)	儀器服務中心	IBC 314
申請	ASPC_CF-01_SDS-PAGE	儀器服務中心	IBC 414-2
申請	ASPC_CF-02_UV scan A260 / A280	儀器服務中心	IBC 402

步驟四、掃晶點選 PX-01 選項

預約系統 FACILITY RESERVATION SYSTEM



中央研究院

設備預約 案件申請

English | 修改個人資料 | 變更密碼 | 登出系統

您好，

▶ 案件 (新申請, 待處理, 未結案, 已結案, 綜合查詢)

[返回](#)

案件申請 - ASPC Protein X-ray Crystallography Service (for AS users)

*申請類別: (PX-01) Robotic crystallization screening with 96-well plate

若有使用上的問題，請聯絡系統管理員

步驟五、填寫資料並點選填寫表單

案件申請 - ASPC Protein X-ray Crystallography Service (for AS users)

*申請類別: (PX-01) Robotic crystallization screening with 96-well plate	
申請人:	電話:
所屬老師單位類別: 政府機構	所屬老師公司/單位: 中央研究院
所屬老師部門:	*所屬老師或主管: 請選擇
*經費來源: 請選擇	*計畫名稱:
*送件表單: 表單填寫...	

編碼	名稱	說明	單價	數量	小計
☒	Get consultation or preliminary discussion	Hui-Ling Shih (施華玲) (mbce0326@hotmail.com; 02-27855696#3140)	0	1	0.0
☐	(PX-01.1) Sitting-drop plate with 1 drop/per well (TW brand)	Please select the screening kits from the list of attached sheet above (Note 1). A pre-crystallization test (PCT) of protein concentration is included (Note 2). Free for 3 month storage of the plates in our incubators (Note 3).	900	1	0.0
☒	(PX-01.2) Sitting-drop plate with 1 drop/per well (Greiner)	See the Notes 1-3 above.	1400	1	0.0
☐	(PX-01.3) Sitting-drop plate with 3 drops/per well (Intelli-plate)	See the Notes 1-3 above.	1200	1	0.0
☐	(PX-01.4) Additive screening with sitting-drop plate (TW brand)	See the Notes 1-3 above.	900	1	0.0
☐	(PX-01.5) Additive screening with sitting-drop plate (Intelli-plate)	See the Notes 1-3 above.	1200	1	0.0
☐	(PX-01.6) Screening with user-prepared plate	See the Notes 1-3 above.	850	1	0.0
☐	(PX-01.7) Screening with user-prepared conditions	See the Notes 1-3 above. We provide the sitting-drop Intelli-plate.	900	1	0.0
☐	(PX-01.8) Screening with user-prepared plate and conditions	See the Notes 1-3 above.	500	1	0.0
總計:					0

步驟六、填寫完畢按下儲存

0 / 0

*樣品名稱 (Sample name):		
*樣品類型 (Sample type):	☐ Prokaryotic protein ☐ Eukaryotic protein ☐ Membrane protein ☐ Nucleic acid ☐ Protein-ligand complex ☐ Protein-protein complex ☐ Protein-nucleic acid complex	
濃度 (Concentration, mg/ml):		
體積 (Volume, µl):		
分子量 (MW, Da):		
樣品溶劑 (Sample buffer):		
樣品保存溫度 (Sample storage temp.) (°C):		
每個條件使用的樣品體積 (Volume per drop) (volume per plate required):	☐ 0.1 µl (25 µl) ☐ 0.2 µl (35 µl) ☐ 0.3 µl (45 µl) ☐ 0.4 µl (55 µl) ☐ 0.5 µl (65 µl)	
結晶盤儲存溫度 (Plate storage temp.) (°C):		
	☐ 1. Structure Screen I (1~48) & II (49~96) (Molecular Dimensions) ☐ 2. Stura Footprint (1~48) & 3D structure (49~96) (Molecular Dimensions) ☐ 3. Clear Strategy I & II (1~96) (Molecular Dimensions)	

*全部填寫
如有疑問請洽施惠玲小姐或黃開發博士

步驟七、填寫完畢按下送出申請

案件申請 - ASPC Protein X-ray Crystallography Service (for AS users)

*申請類別:	(PX-01) Robotic crystallization screening with 96-well plate	
申請人:		電話:
所屬老師單位類別:	政府機構	所屬老師公司/單位:
所屬老師部門:		*所屬老師或主管:
*經費來源:	請選擇	*計畫名稱:
*送件表單:	表單填寫...	

選擇	名稱	說明	單價	數量	小計
☒	Get consultation or preliminary discussion	Hui-Ling Shih (施惠玲) (mbce0326@hotmail.com; 02-27855696#3140)	0	1	0.0
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總計:					0