

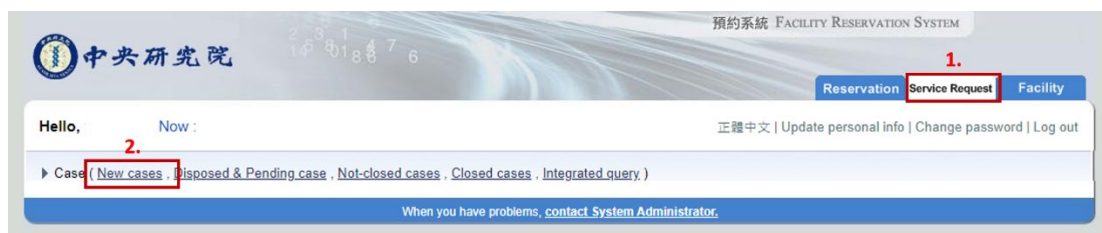
ASPC Case Submission Guidelines

I. Preparation for case submission

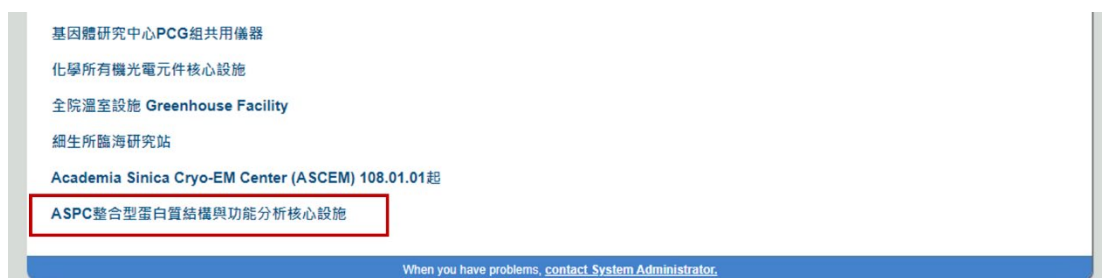
- (I) Prior to case submission, please survey reported crystallization conditions of target proteins (or similar proteins) in the literature, if applicable. This information will greatly help select suitable screening conditions and increase the success rate.
- (II) A list of crystallization screening suites is available on the ASPC webpage under the section PX-01. (please refer to Attachment 1 for details)
- (III) For further queries about screening conditions, please contact Dr. Kai-Fa Huang (02-27855696#3090; huangkf@gate.sinica.edu.tw)
- (IV) All users should submit the case application for crystallization screening via the online portal of Academia Sinica one week before the experiment.
Detailed application procedures for automated crystallization screening are available in the next section.
- (V) After the completion of you case submission, Ms. Hui-Ling Shih will contact you within one working day to confirm the application of your case, and make an appointment with you to perform the pre-crystallization test (PCT).
- (VI) When performing the PCT, please bring **10 μ l** of your protein sample (**at a concentration of approximately 10 mg/ml**) and go to the room 314 (3rd floor) of the Institute of Biological Chemistry, Academia Sinica. The PCT test helps determine the suitable concentration of your protein sample for crystallization screening.

II. Workflow of case submission to ASPC

1. Select 「Service Request」 → 「New cases」



2. Select 「ASPC 整合型蛋白質結構與功能分析核心設施」

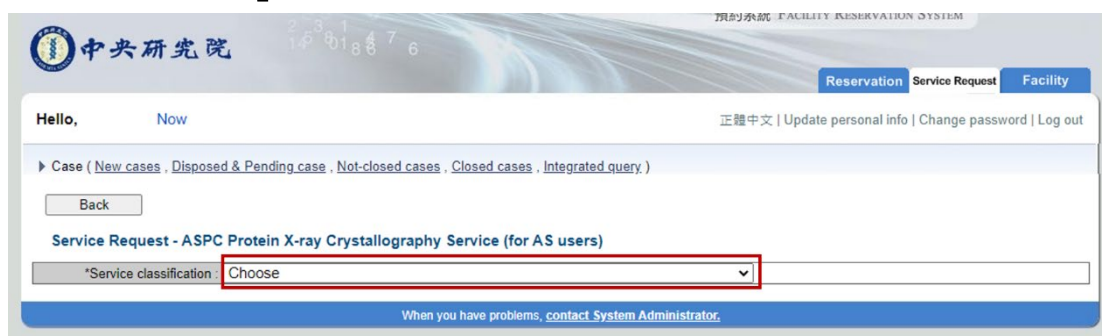


3. Case application

ASPC 整合型蛋白質結構與功能分析核心設施			
	Facility/Equipment	Institute/Department	Location
Apply	ASPC Protein QC Basic Package - AS user	Scientific Instrument Center	IBC 414-2
Apply	ASPC Protein QC Basic Package - non-AS academic user	Scientific Instrument Center	IBC 414-2
Apply	ASPC Protein QC Basic Package - non-AS industrial user	Scientific Instrument Center	IBC 414-2
Apply	ASPC Protein QC Deluxe Package - AS user	Scientific Instrument Center	IBC 414-2
Apply	ASPC Protein QC Deluxe Package - non-AS academic user	Scientific Instrument Center	IBC 414-2
Apply	ASPC Protein QC Deluxe Package - non-AS industrial user	Scientific Instrument Center	IBC 414-2
Apply	ASPC Protein QC SEC-MALS only - AS user	Scientific Instrument Center	IBC 414-2
Apply	ASPC Protein QC SEC-MALS only - non-AS academic user	Scientific Instrument Center	IBC 414-2
Apply	ASPC Protein QC SEC-MALS only - non-AS industrial user	Scientific Instrument Center	IBC 414-2
Apply	ASPC Protein X-ray Crystallography Service (for AS users)	Scientific Instrument Center	IBC 314
Apply	ASPC Protein X-ray Crystallography Service (for Industrial users)	Scientific Instrument Center	IBC 314
Apply	ASPC Protein X-ray Crystallography Service (for non-AS academic users)	Scientific Instrument Center	IBC 314
Apply	ASPC_CF-01_SDS-PAGE	Scientific Instrument Center	IBC 414-2

*Users should discuss with the staff of Academia Sinica Protein Clinic (ASPC) to agree on the service items before applying for a package service or a single service based on the agreements with ASPC.

4. Select 「PX-01」



5. Filling out the application form as detailed as possible

Service Request - ASPC Protein X-ray Crystallography Service (for AS users)

*Service classification :	(PX-01) Robotic crystallization screening with 96-well plate					
Applicant :		Telephone :				
PI's organization category :	Government Agencies	PI's research institute :	Academia Sinica			
PI's department :		*PI :	Choose			
*Funding source :	Choose	*Title of research project :				
*Application form :	Fill Form...					
Service charge rate :	<input checked="" type="checkbox"/>	Get consultation or preliminary discussion	Hui-Ling Shih (范惠玲) (mbce0326@hotmail.com; 02-27855696#3140)	0	1	0.0
	<input type="checkbox"/>	(PX-01.1) Sitting-drop plate with 1 drop/per well (TV 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
	<input checked="" type="checkbox"/>	(PX-01.2) Sitting-drop plate with 1 drop/per well (Greiner)	See the Notes 1-3 above.	1400	1	0.0
	<input type="checkbox"/>	(PX-01.3) Sitting-drop plate with 3 drops/per well (Intelli-plate)	See the Notes 1-3 above.	1200	1	0.0
	<input type="checkbox"/>	(PX-01.4) Additive screening with sitting-drop plate (TV brand)	See the Notes 1-3 above.	900	1	0.0
	<input type="checkbox"/>	(PX-01.5) Additive screening with sitting-drop plate (Intelli-plate)	See the Notes 1-3 above.	1200	1	0.0
	<input type="checkbox"/>	(PX-01.6) Screening with user-prepared plate	See the Notes 1-3 above.	850	1	0.0
	<input type="checkbox"/>	(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
	<input type="checkbox"/>	(PX-01.8) Screening with user-prepared plate and conditions	See the Notes 1-3 above.	500	1	0.0
				Total :		0

6. Filling out the application form and Select 「 Save 」

0 / 0

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

*** Filling out the application form as detailed as possible**

7. Apply cases

Service Request - ASPC Protein X-ray Crystallography Service (for AS users)

*Service classification :	(PX-01) Robotic crystallization screening with 96-well plate					
Applicant :			Telephone :			
PI's organization category :	Government Agencies	PI's research institute :	Academia Sinica			
PI's department :		*PI :	Choose			
*Funding source :	Choose	*Title of research project :				
*Application form :	Fill Form...					
Service charge rate :	Select	designation	Reason	Unit charge	Quantity	小計
	<input checked="" type="checkbox"/>	Get consultation or preliminary discussion	Hui-Ling Shih (施惠玲) (mbce0326@hotmail.com; 02-27855696#3140)	0	<input type="text" value="1"/>	0.0
	<input type="checkbox"/>	(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	<input type="text" value="1"/>	0.0
	<input checked="" type="checkbox"/>	(PX-01.2) Sitting-drop plate with 1 drop/per well (Greiner)	See the Notes 1-3 above.	1400	<input type="text" value="1"/>	0.0
	<input type="checkbox"/>	(PX-01.3) Sitting-drop plate with 3 drops/per well (Intelli-plate)	See the Notes 1-3 above.	1200	<input type="text" value="1"/>	0.0
	<input type="checkbox"/>	(PX-01.4) Additive screening with sitting-drop plate (TW brand)	See the Notes 1-3 above.	900	<input type="text" value="1"/>	0.0
	<input type="checkbox"/>	(PX-01.5) Additive screening with sitting-drop plate (Intelli-plate)	See the Notes 1-3 above.	1200	<input type="text" value="1"/>	0.0
	<input type="checkbox"/>	(PX-01.6) Screening with user-prepared plate	See the Notes 1-3 above.	850	<input type="text" value="1"/>	0.0
	<input type="checkbox"/>	(PX-01.7) Screening with user-prepared conditions	See the Notes 1-3 above. We provide the sitting-drop Intelli-plate.	900	<input type="text" value="1"/>	0.0
<input type="checkbox"/>	(PX-01.8) Screening with user-prepared plate and conditions	See the Notes 1-3 above.	500	<input type="text" value="1"/>	0.0	
				Total :	<input type="text" value="0"/>	0