

## Charge Scheme of Academia Sinica Cryo-EM Facility (ASCEM)

**CEM1 - Jeol Jem-1400 / CEM2 - Tecnai G2 F20 TWIN / CEM3 - Talos Arctica 200 keV / CEM4 - Titan Krios 300 keV**

(Start from 2018.07.01, updated on 2026.01.01)

ITEM	UNIT	COST (NT\$)	REMARK
<b>Negative stain</b>			
FCFTH300-CU Formvar/Carbon Film Thin Bar Hex	piece	150	
<b>Cryo-sample vitrification</b>			
FEI Vitrobot (Academia users)	2 hours	600	
FEI Vitrobot (Industry users)	2 hours	2,400	
<b>Cryo-sample holder <sup>(note 1)</sup></b>			
Quantifoil Holey Grid	piece	390	Copper
UltrAuFoil Grid	piece	950	Gold
<b>CEM3 / CEM4 sample clip <sup>(note 2)</sup></b>			
C-clip plus ring	set	700	
<b>CryoEM data collection</b>			
CEM1 (Academia users)	hour	400 regular time / 200 off time	
CEM1 (Industry users)	hour	2,000 regular time / 1,000 off time	
CEM2 (Academia users)	hour	500 regular time / 300 off time	3 hrs per session
CEM2 (Industry users)	hour	4,000 regular time / 2,400 off time	3 hrs per session
CEM3 (Academia users)	4 hours	5,200	
CEM3 (Industry users)	4 hours	40,000	
CEM3 (Academia users)	day	13,000	
CEM3 (Industry users)	day	100,000	
CEM4 (Academia users)	day	18,000	
CEM4 (Industry users)	day	140,000	
<b>Training Courses</b>			
Vitrobot Training, Practice, Exam	person	Training fee 1,500 Vitrobot fee 200 Instruction fee 500	3 trainees per time
CEM2 - TF20 Training-data collection	person	500	
CEM3 - Talos EPU Training	person	1,500	
CEM4 - Titan EPU-K3 Training	person	1,500	

**Note 1:** Users are expected to bring their own grids.

**Note 2:** Clipping can only be carried out by certified managers before loading the sample grids onto CEM3/4 and only consumables is charged.  
Damaged grids can't be clipped.