

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 2021.04.01)

ITEM	UNIT	COST (NT\$)	REMARK
Negative stain			
CFTH300-CU Carbon Film Thin Bar Hex	piece	130	
FCFTH300-CU Formvar/Carbon Film Thin Bar Hex	piece	130	
CEM1 sample preparation (Staff-operation)	sample	400	
CEM1 preliminary TEM training course	hour	400	
Cryo-sample vitrification			
FEI Vitrobot (Self-operation)	2 hour	500	
FEI Vitrobot (Staff-operation, AS budgets users)	per time	1,000	Max. 4 cryo-grids production
FEI Vitrobot 2 (Staff-operation, non-AS users)	per time	2,000	Max. 4 cryo-grids production
Cryo-sample holder ^(note 1)			
Holey Grid	piece	350	Copper
UltrAuFoil Grid	piece	850	Gold
CEM3 / CEM4 sample clip ^(note 2)			
C-clip plus ring	set	850	
CryoEM data collection			
CEM1 (AS budgets users)	hour	400 regular time / 200 off time	
CEM1 (non-AS budgets/academia users)	hour	800 regular time / 400 off time	
CEM1 (Industry users)	hour	2,000 regular time / 1,000 off time	
CEM2 (AS budgets users)	hour	500 regular time / 300 off time	
CEM2 (non-AS budgets/academia users)	hour	1,000 regular time / 600 off time	
CEM2 (Industry users)	hour	4,000 regular time / 2,400 off time	
CEM3 (AS budgets users)	4 hour	5,200	
CEM3 (non-AS budgets/academia users)	4 hour	14,000	
CEM3 (Industry users)	4 hour	40,000	
CEM3 (AS budgets users)	day	13,000	
CEM3 (non-AS budgets/academia users)	day	35,000	
CEM3 (Industry users)	day	100,000	
CEM4 (AS budgets users)	day	18,000	
CEM4 (non-AS budgets/academia users)	day	50,000	
CEM4 (Industry users)	day	140,000	

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

Note 2: Clipping can only be carried out by certified managers