





Negative Stain Independence Test Checklist - CryoEM Merit Badges

Super	vising Staff:	Date:
Trainee:		
Set up		
	User can describ	pe safety issues for working with stains.
	☐ Proper PPE is w	orn.
	☐ Equipment/supp	lies are prepared before starting procedure:
	☐ Timer	
	□ Sample	and buffer
	□ Stains	
	☐ Ethanol	and water for cleaning tweezers
	☐ Tweezer	rs
	☐ Filter pa	per
	Parafilm	/kimtech wipes/scissors or other appropriate materials for handling stains
	Pipette t	ips
	Use of p	pipettors labeled for negative stain only
	☐ Sensible	e grid type is used
Workii	ng at the bench	
	☐ Protocols are pe	rformed in the designated controlled area.
	☐ Grids are handle	ed properly.
	☐ Grids are plasma	a cleaned/glow discharged before use.
	☐ Protein and stair	n are applied to the correct side of the grid.
	☐ Stains are handle	ed cautiously.
	☐ Staining technique	ue is done cautiously.
	☐ Waste generated	d during the protocol is cleaned/disposed of properly.
	☐ User knows to no	otify staff of any issues or stock shortages.
Clean	up	
	□ All tweezers are	cleaned with water and ethanol and returned to respective locations.
	☐ Used stain tubes	s, filter paper, kimtech wipes, parafilm, gloves, masks, pipette tips, and all other waste
	items are disposed	of properly.
	☐ PPE is put away	disposed of properly.
	☐ Bench is left exa	actly as it was found.