

Sample Spec Sheet for CryoTEM

Page number (/)

This file name should be CryoTEM“proposal number”_sample.pdf

ex: CryoTEM2021B0000_sample.pdf

Please copy and add this page, if you have more than three types of samples.

Sample type ID				
Objective & purpose *1				
Desired machine time / number of micrographs				
Target	Name of protein etc.			
	Oligomeric state *2			
	Molecular weight (total)			
	Expression system*3			
	Safety *5			
Buffer	Composition and Concentration			
	Buffer additives like, sugars, glycerol or organic solvents should be at minimum concentration.			

*1: Select from following, A: Screening for sample quality, B: Screening for Grid/Ice condition, C: Data collection for one of the best grid, D: Data collection for multiple grids.

*2: Ex. Monomer, Heterodimer, Maltisubunit complexes, multidomain protein complexes etc.

*3: A: E. coli expression, B: Baculovirus-insect cell expression, C: Human cell expression cf. HEK293, D: Other [Please describe in detail.]

*4: Ex. Protein toxin, poisonous and deleterious substances in buffer, possible contamination with baculovirus.