



Cryo Sample Preparation



Q1. What type of grid should be used for Cryo-EM? Will ASCEM provide the grid?

A1. CryoEM only use Quantifoil or holy carbon grid. The facility can provide the two types of grids, but users need to pay for them.

Q2. What solvent should be used for sample?

A2. Pure water is the best solvent for CryoEM.

- It is recommended to use hydrophilic buffer that most suitable for sample, low-salt concentration, better not to add surfactant, and better no sucrose or glycerol.
- The buffer viscosity will affect the thickness of the ice layer, the more viscous the buffer when making the sample, the ice layer will be too thick or be empty.