

Microscope	Titan Krios	Talos Arctica
Illumination	3 condenser lens	2 condenser lens
Detector	Gatan K2	Falcon 3
Specimen Montage		
<i>C2 Aperture (μm)</i>	50/70	150
<i>Probe</i>	uP	uP
<i>Nominal Magnification</i>	220	115
Medium-magnification-montage		
<i>C2 Aperture (μm)</i>	50/70	50
<i>Probe</i>	nP	uP
<i>Magnification</i>	2250X	2600
<i>Detector binning</i>	1	1
<i>Pixel size</i>	62.5	40.4
<i>FOV</i>	23.9875	16.54784
<i>Square montage - tiles (n)</i>	3	4
<i>FOV(n x n tiles, μm)</i>	71.9625	66.19136
<i>Exposure Time</i>	0.5	0.15
<i>Total dose</i>		
Hole-view (Acquire[Hole/Laycey]Views)		
<i>Magnification (X)</i>	SA 11500/15000	SA 8500/11000
<i>Probe</i>	nP	uP
<i>Spot</i>	8	8
<i>Pixel size</i>	13	9.58
<i>FOV</i>	4.99	3.68
<i>Illumination diameter</i>	12	7.5
<i>Parallel illumination</i>	Yes	No
<i>Defocus</i>	-75	-75
<i>Exposure Time (s)</i>	1-3	0.5
<i>Total dose per exposure</i>		
Acquisition		
<i>Magnification (X)</i>	130000	73000 / 92000
<i>Probe</i>	nP	nP
<i>Spot</i>	7	4
<i>Pixel size</i>	1.05	1.43 / 1.1
<i>Exposure time (s)</i>	8	0.5
<i>Total dose</i>	40	40
<i>Accuracy (nm)</i>	± 30	± 75