

Gatan 4K CCD on Tecnai12 Magnification Table

Calibrated using negative stain preparation of catalase crystals

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Nominated Magnification (Screen up/down)	30000 /26500	42000/37000	52000/46000	67000/59000	110000/97000
Pixel size on CCD image	3.69	2.61	2.13	1.68	1.01
Calibrated Mag on CCD image	40607	57555	70527	89153	147888
Calibrated Mag/nominated Mag	1.3536	1.3704	1.3563	1.3306	1.3444

Note: 1. Lab6 filament operated @ 120kV

2. Using the spacing of 17.5 nm for calibration

3. @ each mag 4 images were taken at different crystals and multiple measurements were performed and the results

show here is the average out of those measurements.