

Gatan K2 DDD on TecnaiF20 Magnification Table

Calibrated using negative stain preparation of catalase crystals

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Nominated Magnification (Screen up/down)	5000 / 4400	6500 / 5800	7800 / 6900	9600 / 8500	11500 / 10000	14500 / 13000	19000 / 17000	25000 / 22000	29000 / 25500	50000 / 44000
Pixel size on DDD image (counted mode)	7.20	5.59	4.66	3.79	3.20	2.52	1.89	1.51	1.28	0.74
Pixel size on DDD image (super resolution mode)	3.60	2.79	2.33	1.89	1.60	1.26	0.95	0.76	0.64	0.37
Calibrated Mag on DDD image	6947	8949	10737	13203	15633	19842	26393	33040	39166	67181
Calibrated Mag/nominate d Mag	1.39	1.38	1.38	1.38	1.36	1.37	1.39	1.32	1.35	1.34

Note: 1. FEG @ 200kV

2. Using the spacing of 17.5 nm for calibration

3. @ each mag 5 images were taken at different crystals and multiple measurements were performed and the results show here is the average out of those measurements.