

Supplementary Information for “Multiplexed DNA detection using spectrally encoded porous SiO₂ photonic crystal particles,” Shawn O. Meade, Michelle Y. Chen, Michael J. Sailor, and Gordon M. Miskelly

	0 eroded	1 eroded	2 eroded	3 eroded
Net total	7832	6455	5180	4364
101011	1544	1457	1278	1125
110101	1701	1637	1474	1309
111111	1702	1619	1462	1338
Invalid	2885	1742	966	592
% classified	63.2	73.0	81.4	86.4
No. of 101011 pixels with 680 nm fluorescence lower than highest 110101 pixel	38	9	1	0

Table S1 Summary of the classification results after differing amounts of erosion of the microparticle images. Net total excludes pixels associated with the irregular object near the center of the images in Figure 4. The % classified is the number placed in the correct class relative to the net total of pixels.

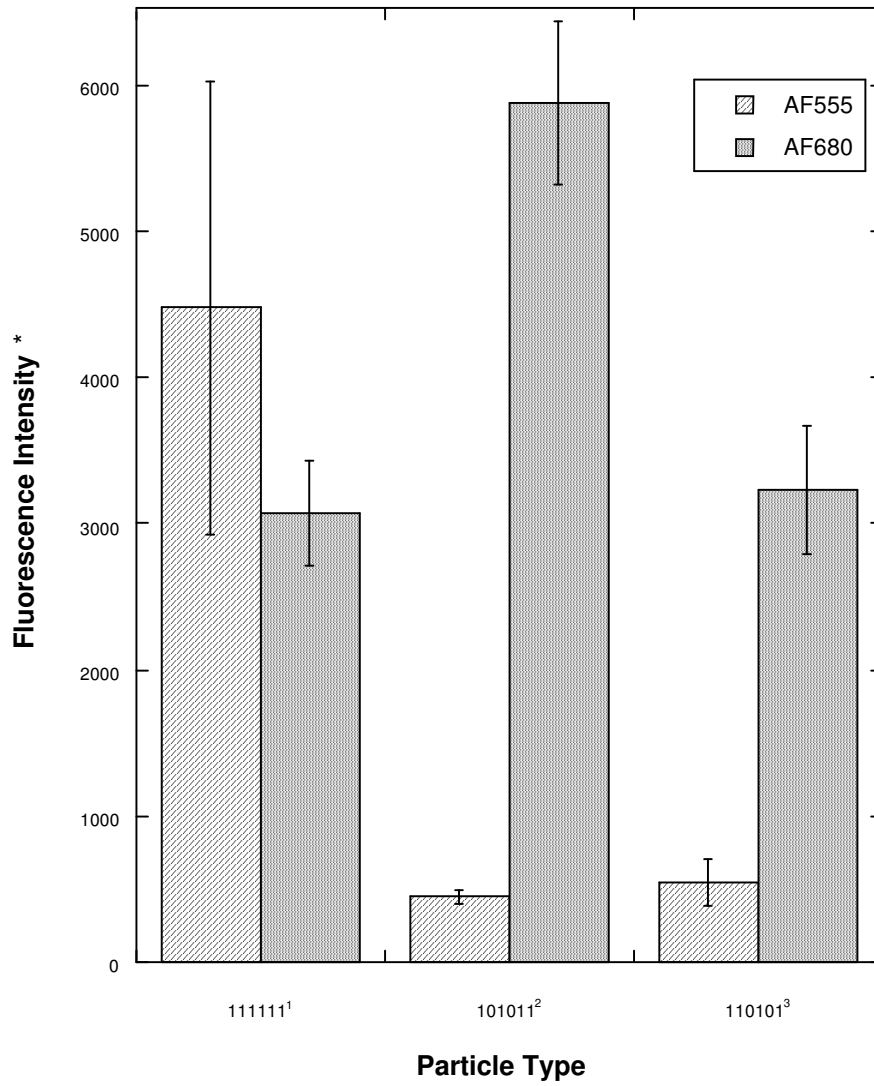


Figure S1 Bar graph showing the mean pixel intensities for each fluorescence channel for each spectral code. *14-bit scale, maximum value 16383

¹Calculated based on 1619 pixels.

²Calculated based on 1457 pixels.

³Calculated based on 1637 pixels.