

Caffeine (100 ppm)	Aspirin (400 ppm)	Distilled Water	Concentration of Caffeine (ppm)	Fluorescence Intensity (a.u.)	ΔF
0 mL	20 μ L	3.5 mL	0	$F_0=30900.14$	0
0.3 mL	20 μ L	3.2 mL	8.5	20788.07	10112.07
0.6 mL	20 μ L	2.9 mL	17.0	19888.30	11011.84
1.0 mL	20 μ L	2.5 mL	28.4	17181.60	13718.54
1.5 mL	20 μ L	2.0 mL	42.6	16087.99	14812.15
2.0 mL	20 μ L	1.5 mL	56.8	15870.95	15029.19
0.2 mL sample	20 μ L	3.3 mL	?	8429.18	22470.96

