

Supporting Information

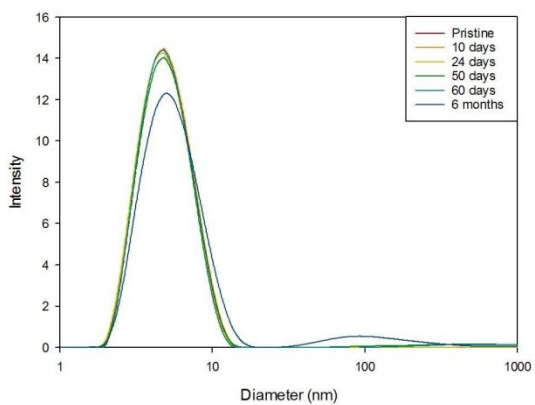


Figure S.1 10 K PVP capped ceria DLS size measurements taken over 6 months to show an example of stability at room temperature for 6 months.

Table S.1 Examples of DLS sizes of different PVP capped metal oxide NP batches.

Sample	Z-Average (nm)	PDI
10 K Ce	5.874 ± 0.055	0.147 ± 0.029
10 K Ce	5.232 ± 0.069	0.168 ± 0.021
40 K Ce	7.325 ± 0.100	0.191 ± 0.016
40 K Ce	8.846 ± 0.068	0.194 ± 0.099
40 K Ce	7.906 ± 0.104	0.178 ± 0.022
360 K Ce	19.42 ± 0.049	0.320 ± 0.003
360 K Ce	17.43 ± 0.199	0.299 ± 0.005
10 K Zn	5.291 ± 0.103	0.225 ± 0.016
40 K Zn	9.275 ± 0.339	0.202 ± 0.024
40 K Zn	8.075 ± 0.376	0.267 ± 0.024
360 K Zn	19.41 ± 1.272	0.354 ± 0.040
10 K Cu	5.338 ± 0.249	0.240 ± 0.008
40 K Cu	6.900 ± 1.960	0.227 ± 0.018
360 K Cu	20.10 ± 3.361	0.319 ± 0.072

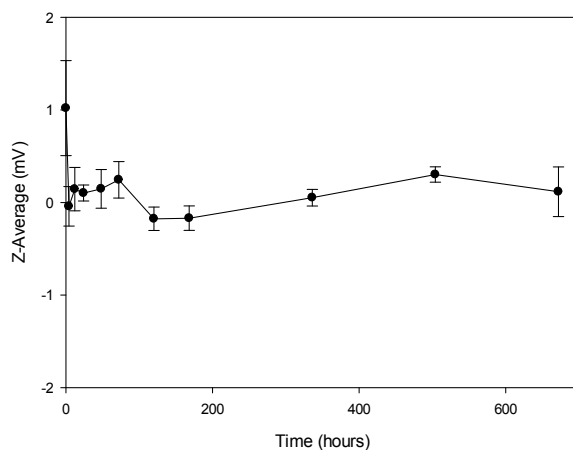


Figure S.2 10 K PVP capped ceria zeta potential measurements taken over one month to show an example of surface charge stability at room temperature for one month.