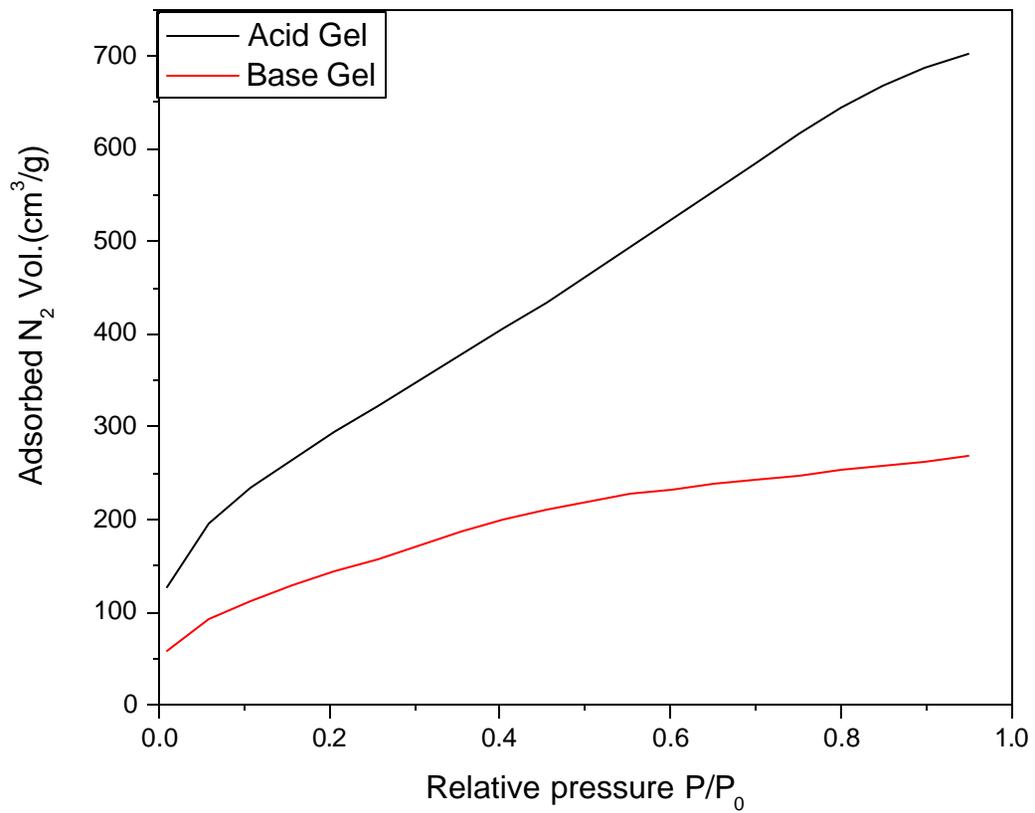
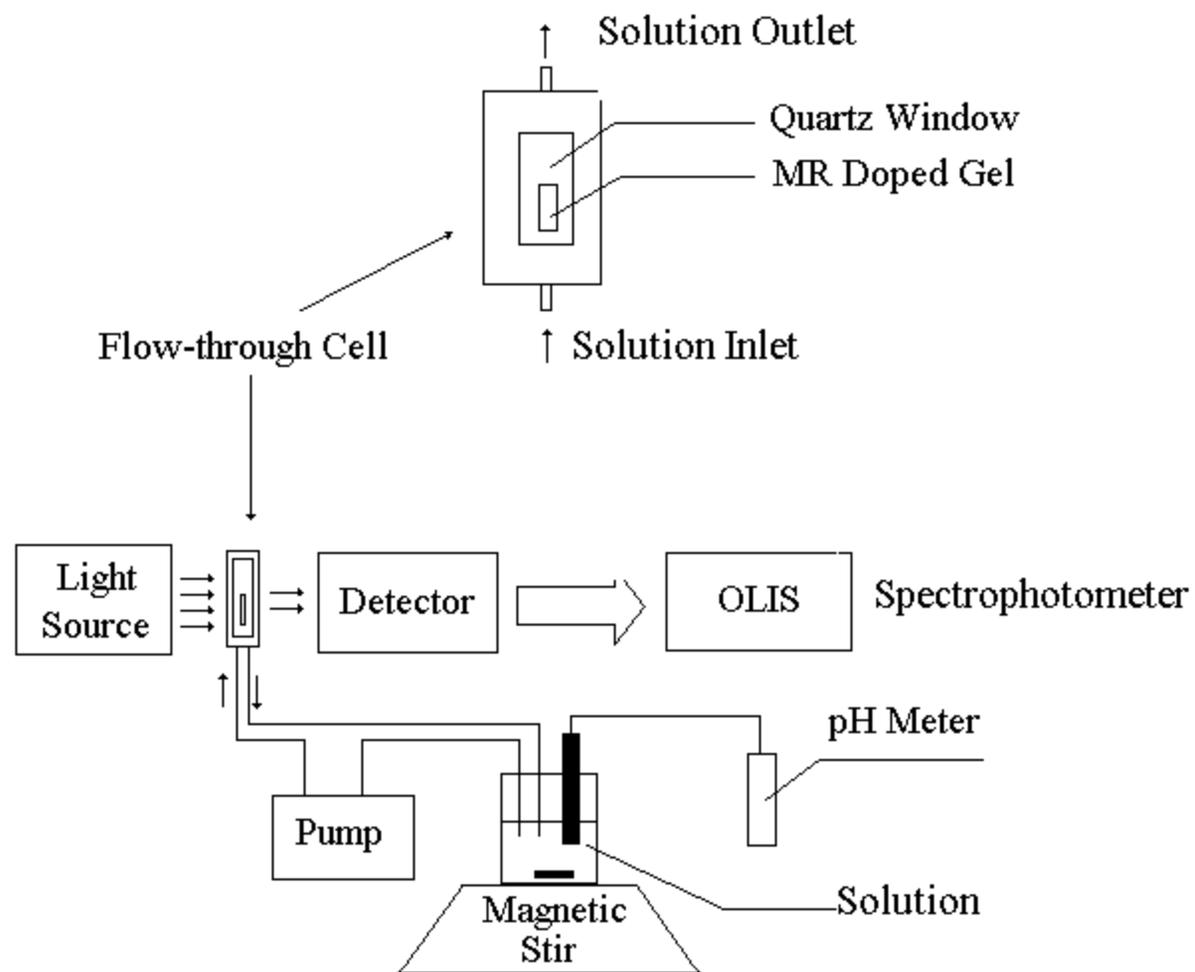


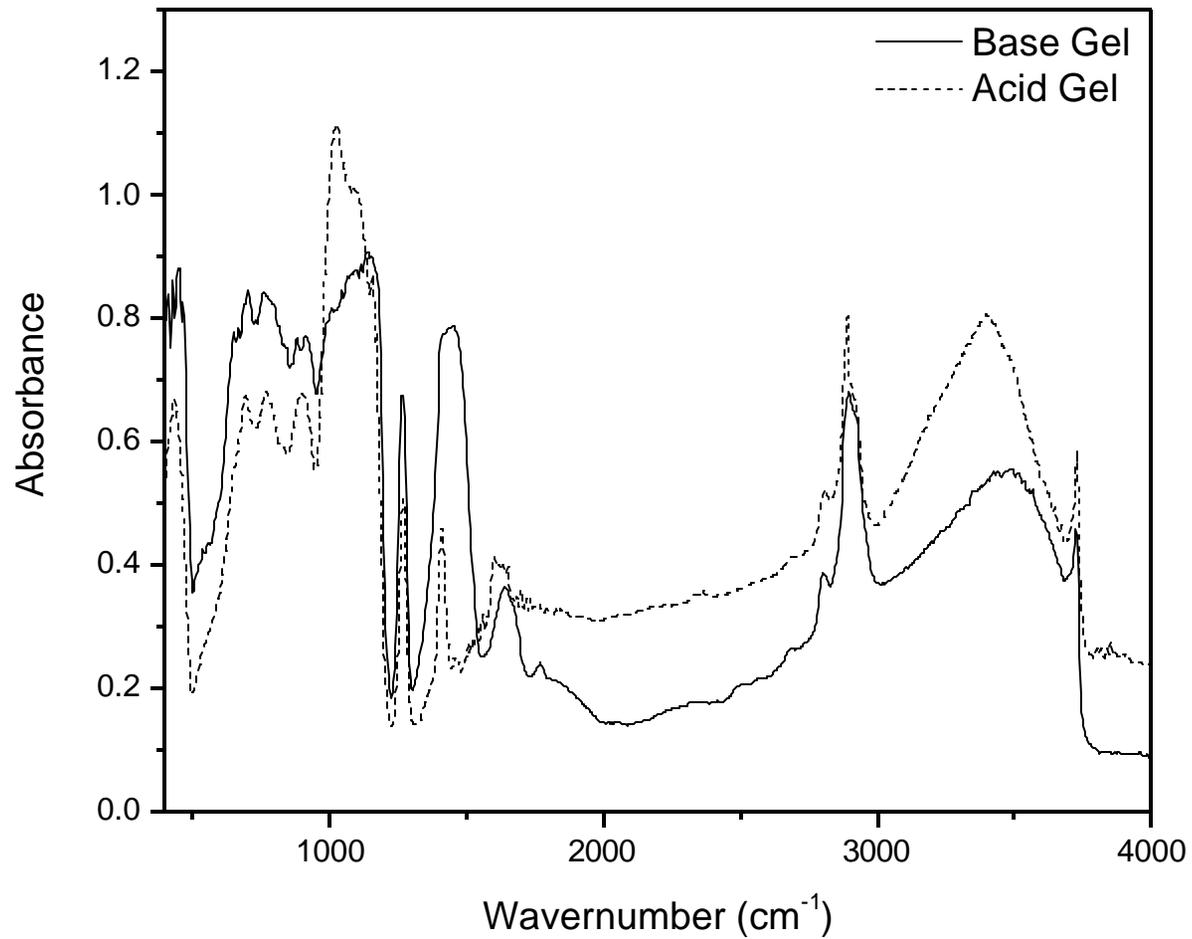
Supporting Materials

Isotherm

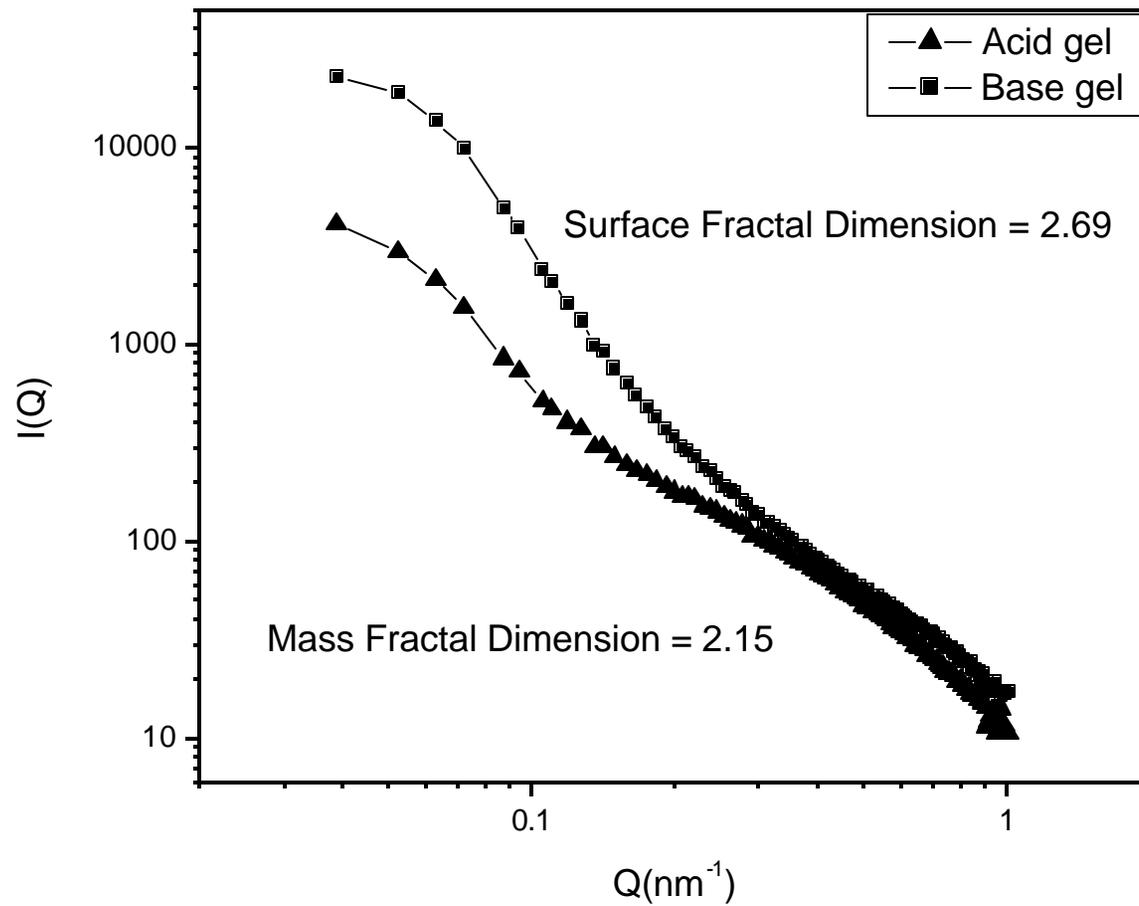




Schematic diagram of experimental setup for measurement of optical spectral variation with pH.

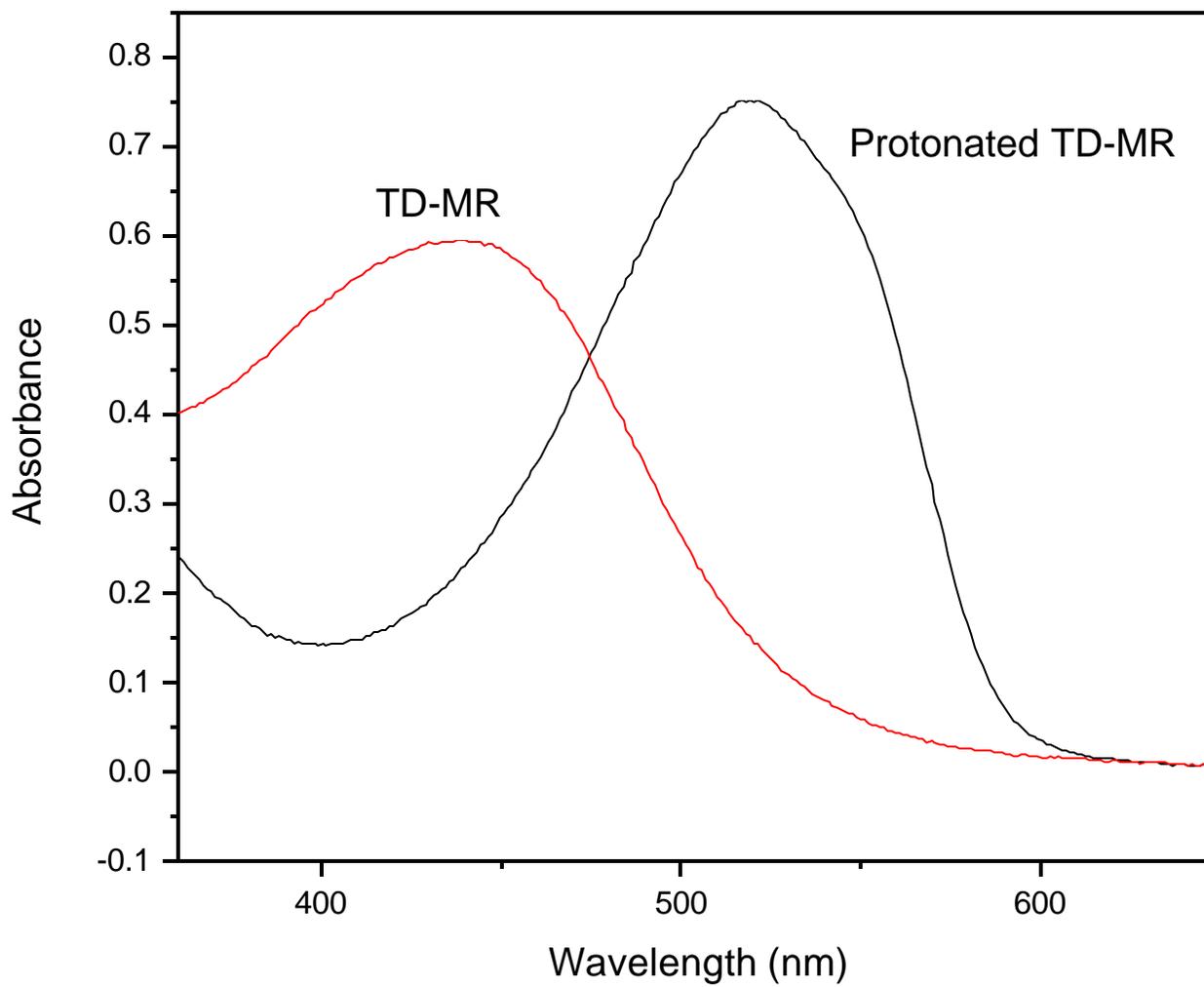


FTIR spectra of sol-gel glasses doped with the indicator.

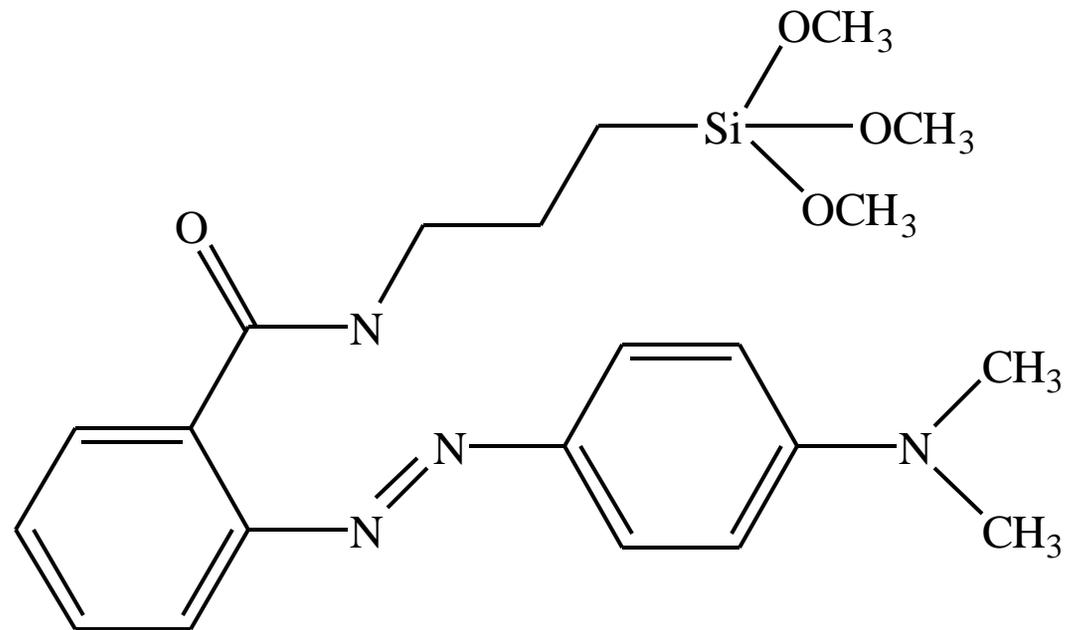


Small-angle X-Ray Scattering (SAXS) Curves

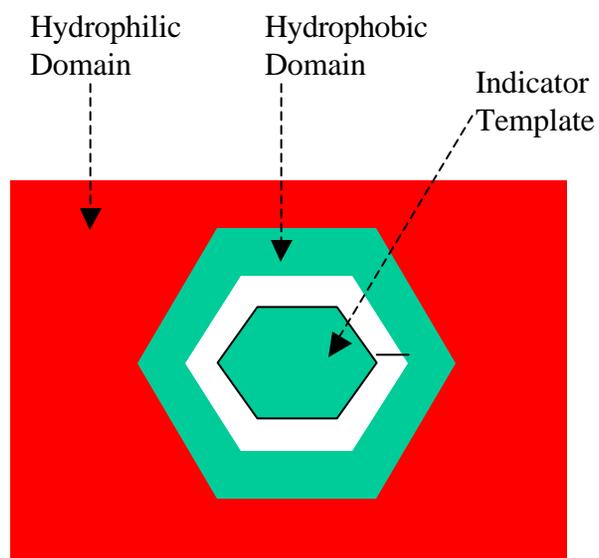
Optical spectra of TD-MR and protonated TD-MR in aqueous solutions.



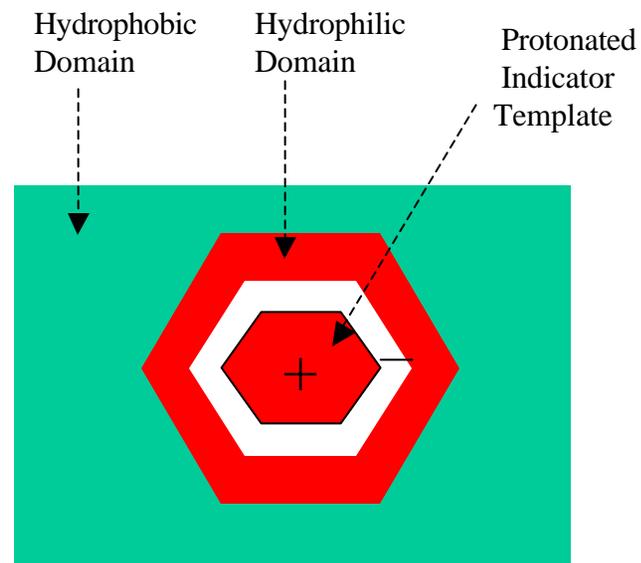
Structure of trimethoxysilylpropylamide derivative
of methyl red (TD-MR)



Comparison of two different local environments generated by (a) plain indicator template and (b) protonated indicator template.

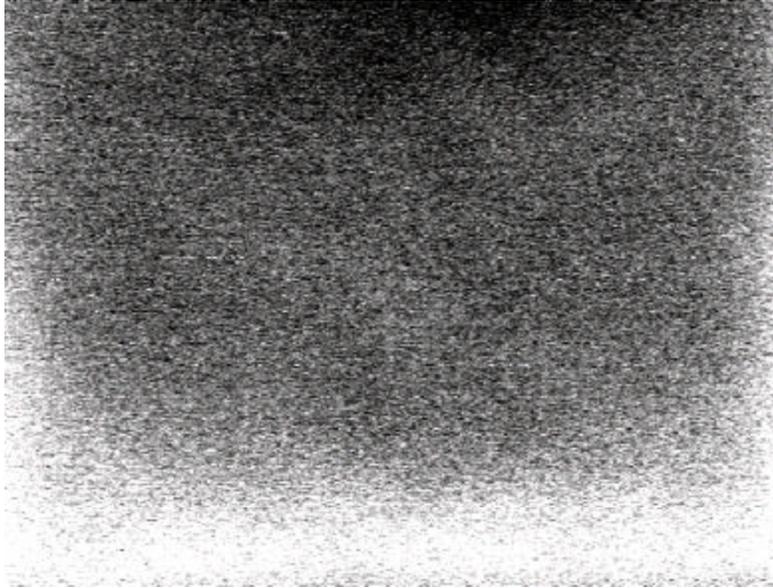


a

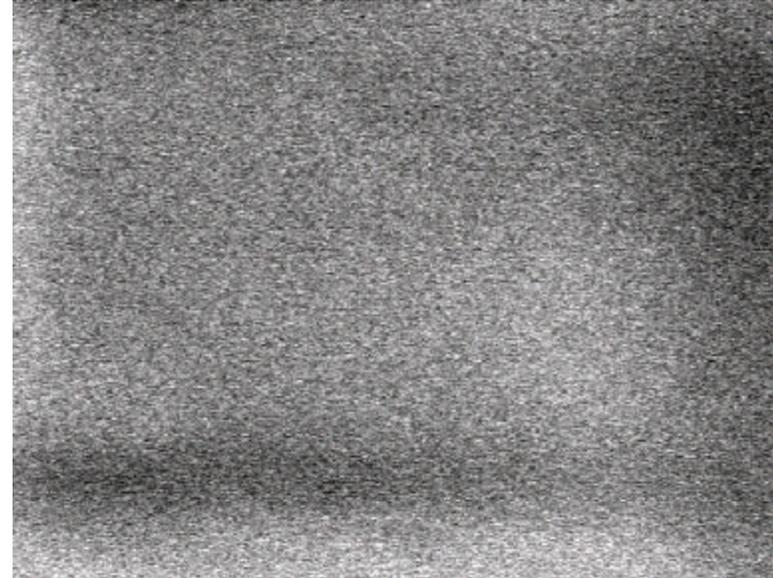


b

SEM Images of Imprinted and Nonimprinted Samples



Base-Catalyzed Gel



Acid-Catalyzed Gel

Photograph of imprinted and nonimprinted sol-gel glasses in a buffer solution with $\text{pH} \approx 5.8$. The different colors of the glasses indicate that the same indicator has different $\text{p}K_a$ values in the imprinted and nonimprinted samples.

