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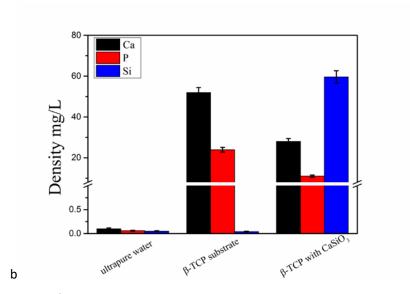


Figure 1. ICP results of the reacted reagents. Detected elements included calcium, phosphate and silicon.



Figure 2. Cellular adhesion SEM image. A:Hs surface, B:Ts surface, C:Micro-nano surface.

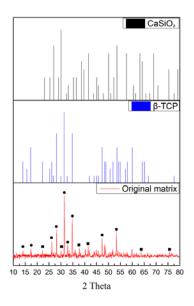


Figure 3. XRD of original matrix. Squares corresponded to  $CaSiO_3$  characteristic peak and circles corresponded to  $\beta$ -TCP. Wollastonite JCPDS code 00-002-0689, whitlockite 00-003-0713

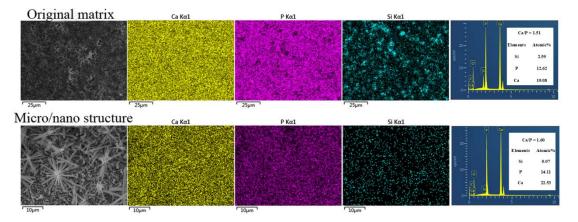


Figure 4. EDS of the original matrix and micro/nano structured surface.