Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B.

Electronic Supplementary Information

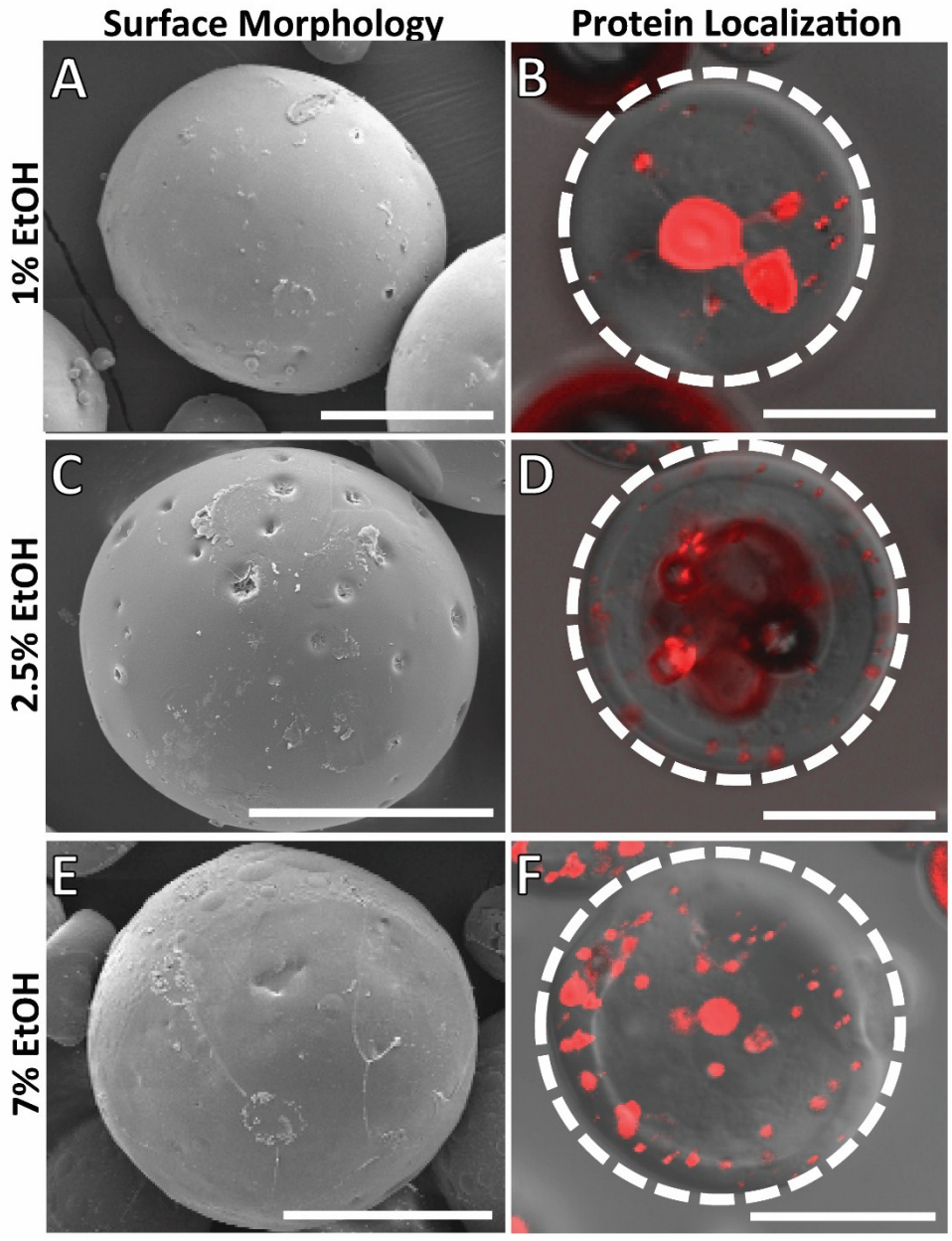

Fig. S1 SEM micrographs of surface morphology (A, C & E) and merged fluorescent/transmitted light confocal images (B, D & F) of Alexa-568 conjugated-insulin-loaded short solvent evaporation MPs. (A, B) 1% EtOH MPs had increased surface porosity and protein localized in the central core of the MPs. (C, D) 2.5% EtOH groups also exhibited surface porosity with a more diffuse protein distribution. (E, F) The 7% EtOH group exhibited some surface porosity, whereas encapsulated protein was not compartmentalized near the central core of the MPs. Representative SEM and confocal images of the 1 & 5% EtOH MPs are provided in Figure 3 & 5. Dashed white line represents particle edge. Scale bars=50µm.

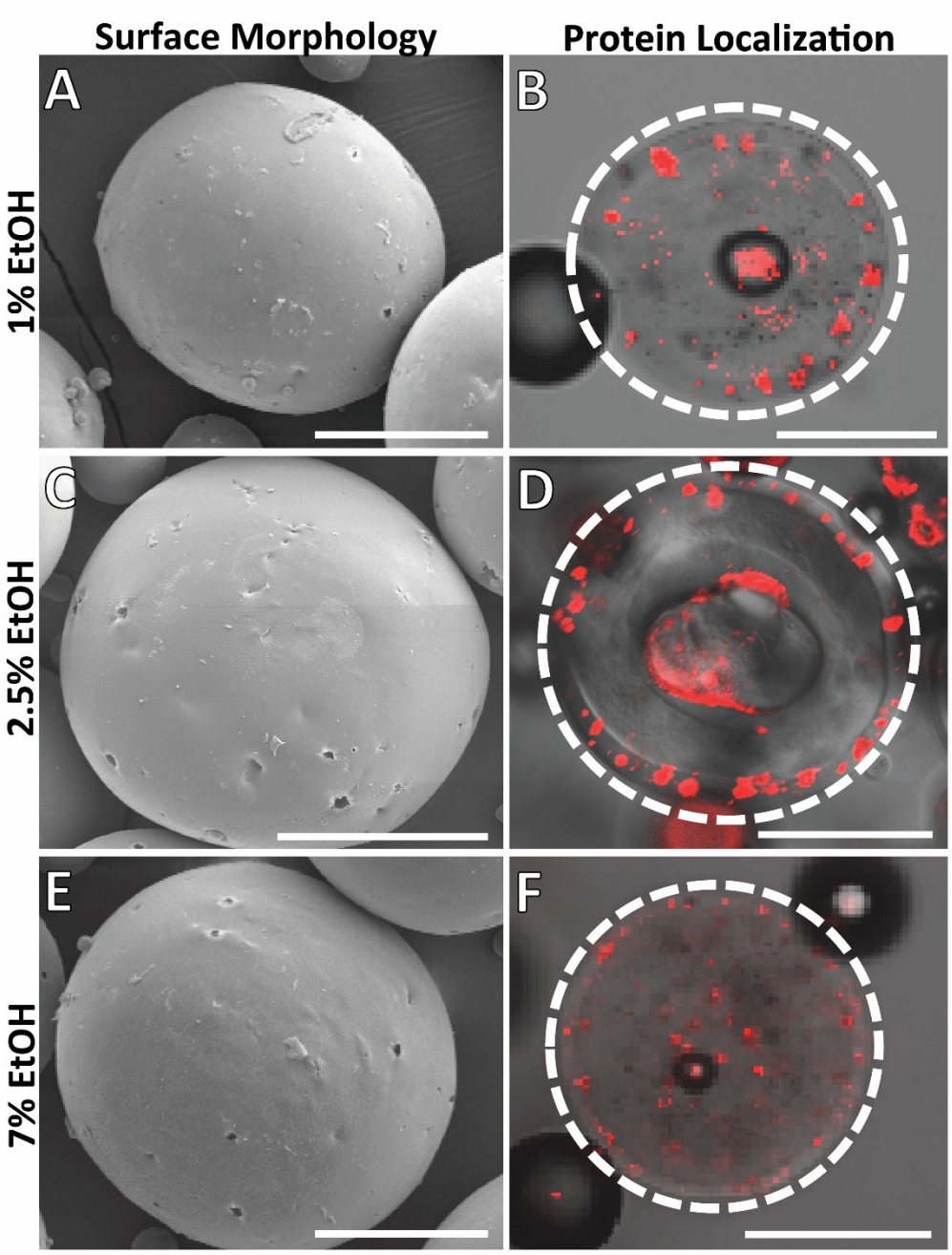

Fig. S2 SEM micrographs of surface morphology (A, C & E) and merged fluorescent/transmitted light confocal images (B, D & F) of Alexa-568 conjugated-insulin-loaded long solvent evaporation MPs. (A, B) 1% EtOH MPs had increased surface porosity and protein localized in the central core and the outside edges of the MPs. (C, D) 2.5% EtOH groups also exhibited surface porosity and protein distribution at the core and edges of MPs. (E, F) The 7% EtOH group also exhibited surface porosity, and diffuse signal from encapsulated protein was detected in throughout the MPs. Representative SEM and confocal images of the 1 & 5% EtOH MPs are provided in Figure 3 & 7. Dashed white line represents particle edge. Scale bars=50µm.