

Supporting Information

Preparation of Poly(ethylene glycol)@Polyurea Microcapsules Using Oil/Oil emulsions and their Application as Microreactors

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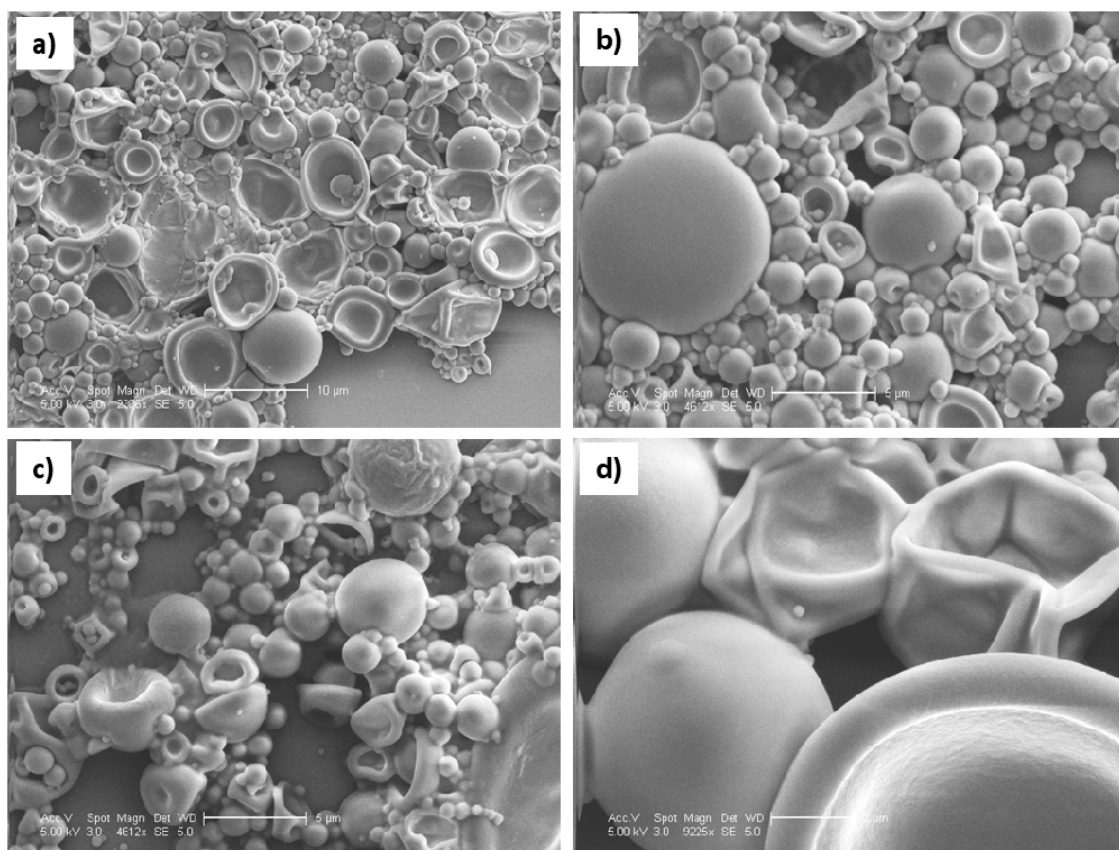
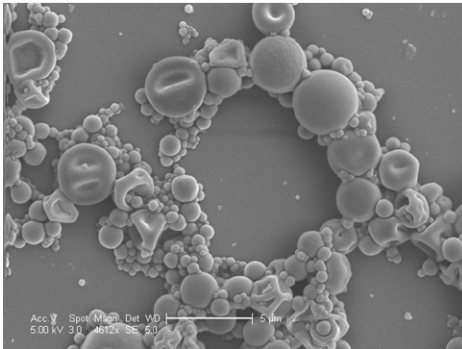
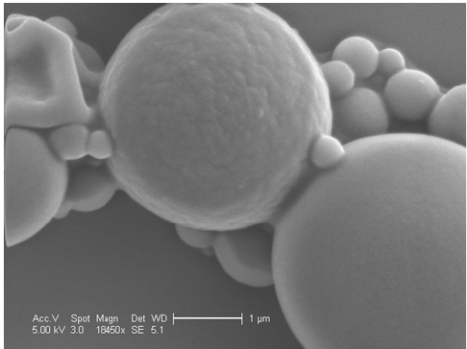
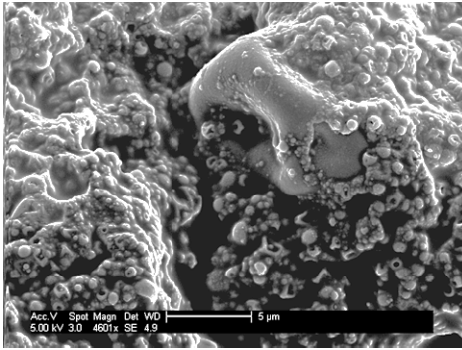
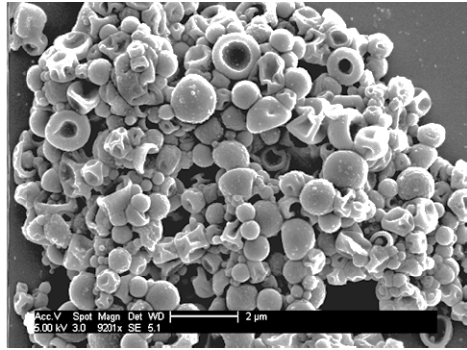


Figure S1. PEG₂₀₀@PU MCs obtained with (a, b) ABIL EM 90 and (c, d) Agrimer AL-22 (The continuous phase is heptane, the amine is PEI and the isocyanate is TDI).

Table S1. PEG₂₀₀@PU MCs obtained by different IFP pairs of amines and isocyanates (the continuous phase is heptane and the surfactant is ABIL EM 90).

Interfacial polymerization pair	SEM images
PEI/TDI	 
DETA/TDI	 

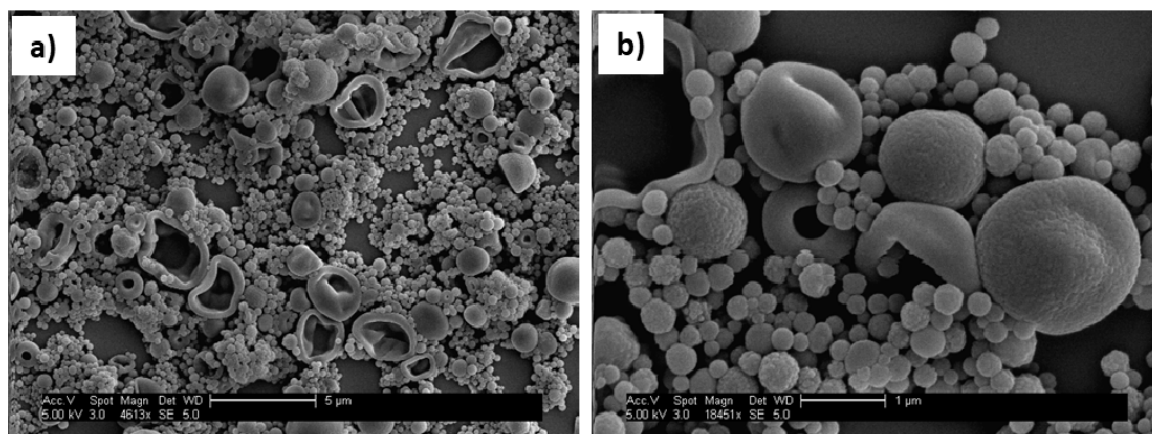
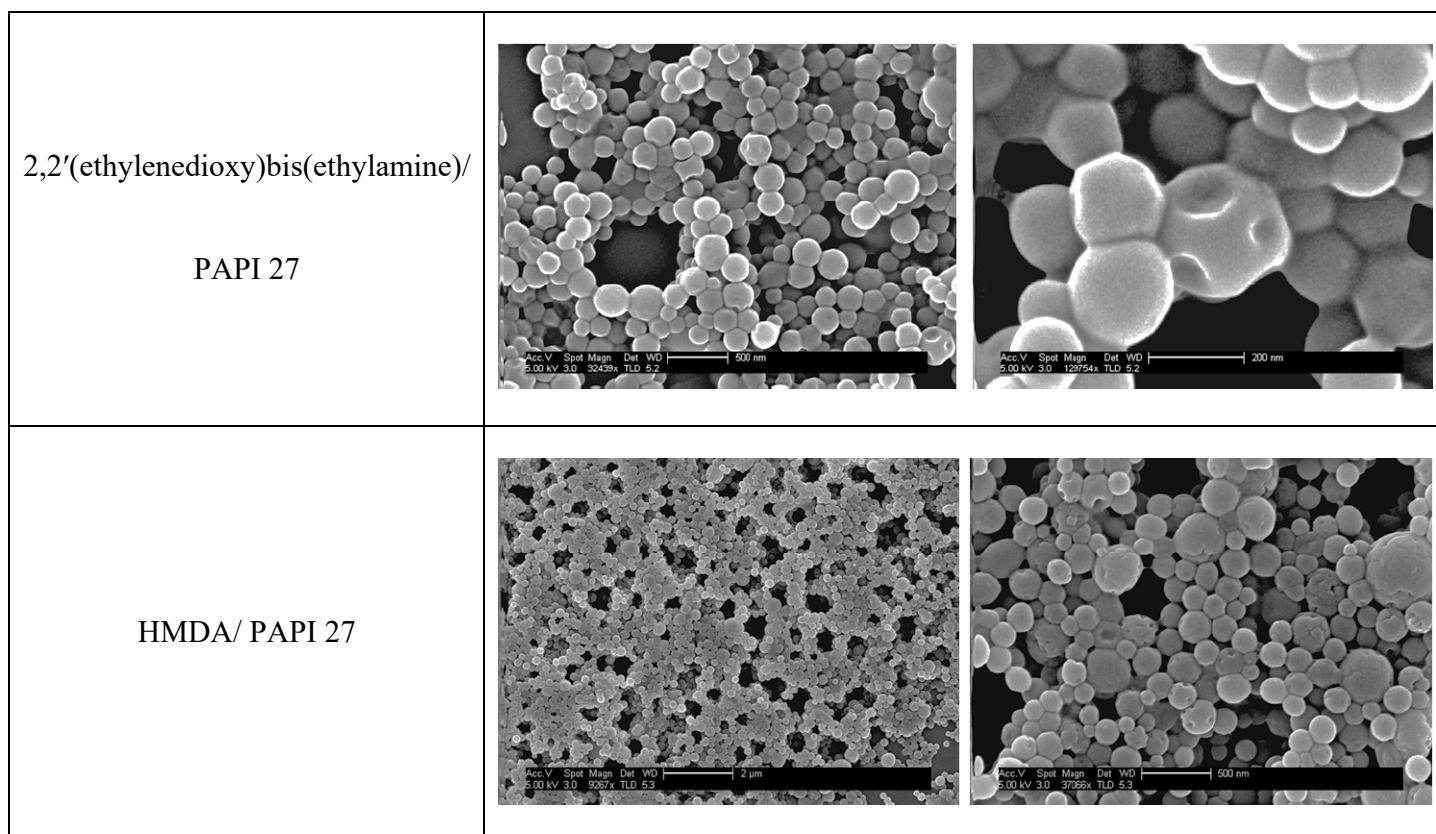


Figure S2. (a, b) PEG₂₀₀@PU MCs obtained with cyclohexane (The surfactant is Agrimer AL-22, the amine is DETA and the isocyanate is TDI).

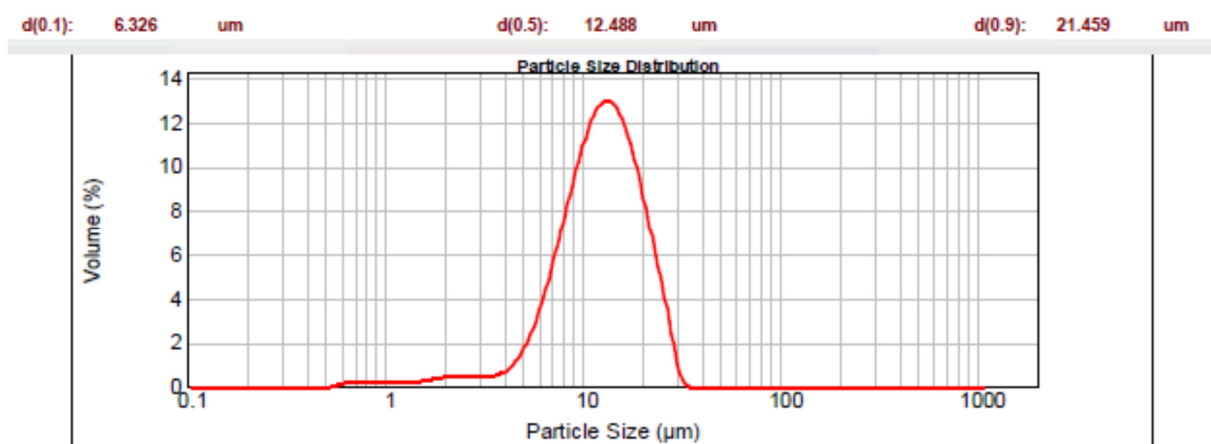


Figure S3. Size distribution of the PEG₂₀₀@PU microcapsules dispersed in isopropyl alcohol as measured by laser diffraction size analyzer

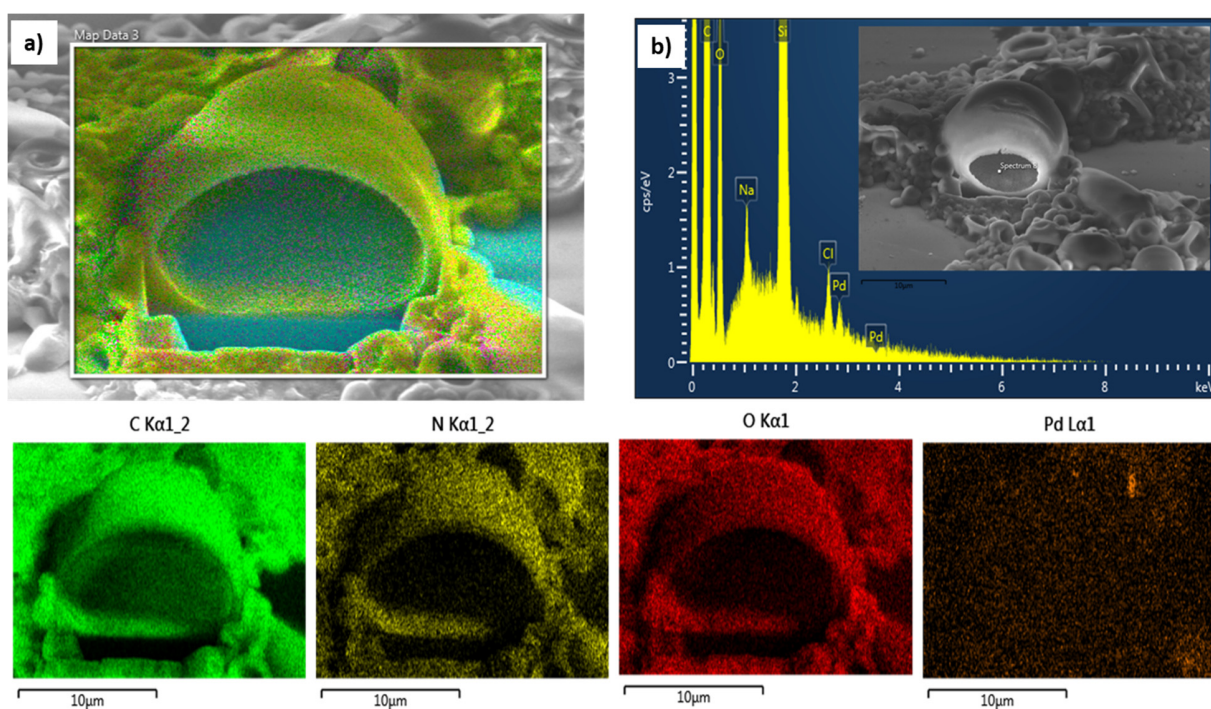


Figure S4. FIB-SEM (a) Mapping and (b) EDXS analyses of a cut MC.

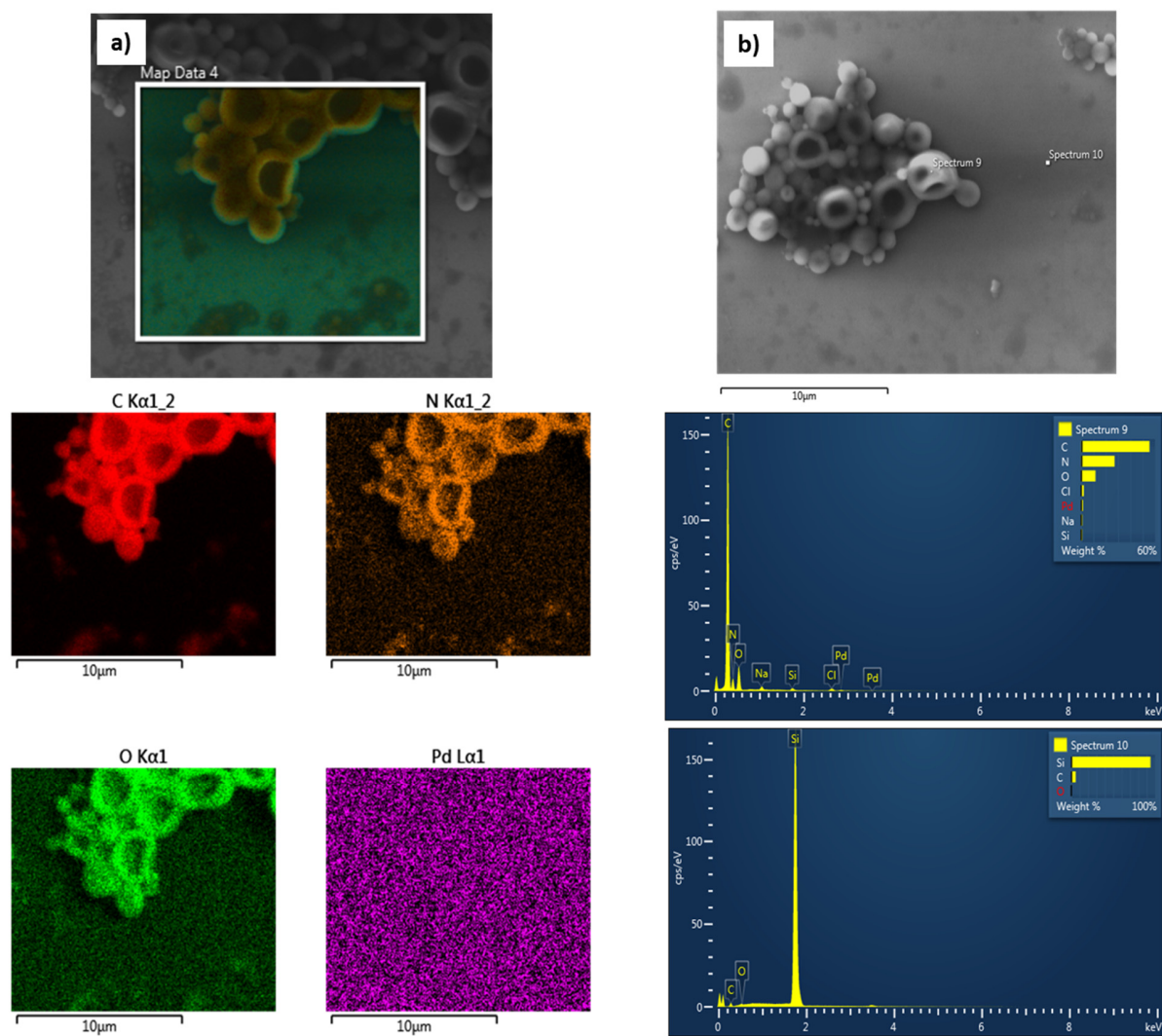


Figure S5. FIB-SEM applied for (a) mapping and (b) EDXS analyses of complete MCs of PdNPs/PEG₂₀₀@PU.