Functionalization of breast implants by cyclodextrin in-situ polymerization: a local drug delivery system for mammoplasty

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Supplementary Information

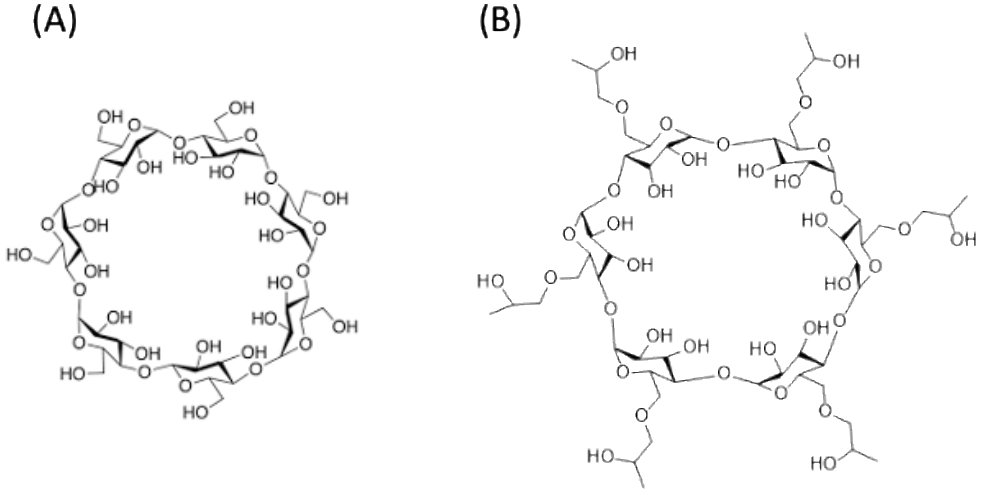

Figure S1. Chemical structure of: (A) β-cyclodextrin, and (B) 2-hydroxypropyl-β-cyclodextrin.

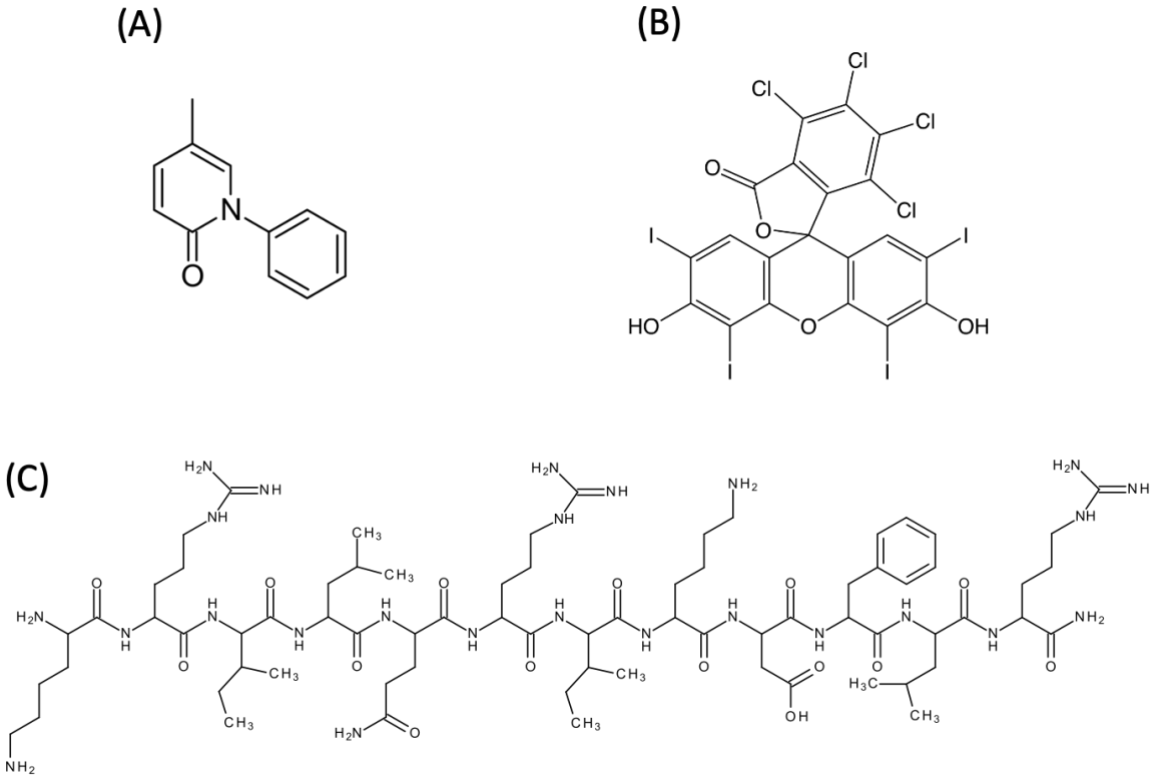

Figure S2. Chemical structure of: (A) pirfenidone, (B) rose Bengal, and (C) KR-12 antimicrobial peptide.

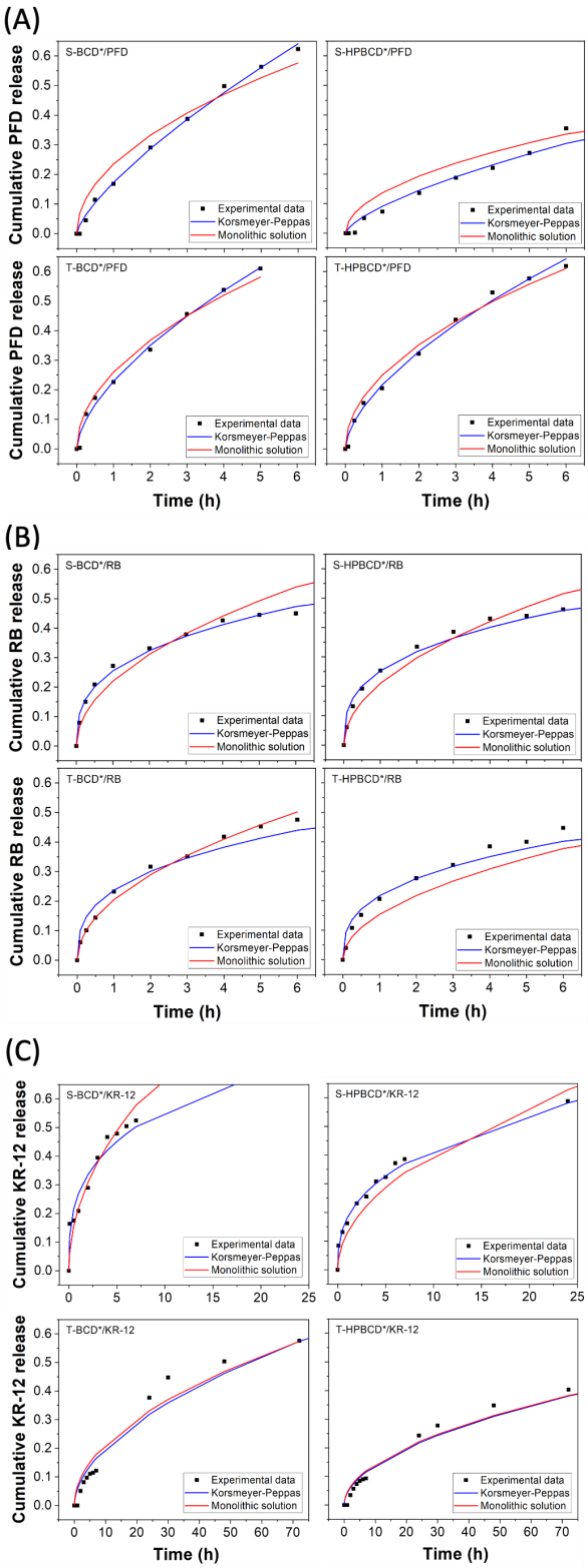

Figure S3. Normalized release profiles and fitted to the Korsmeyer-Peppas and monolithic solution models for the cases of: (A) pirfenidone, (B) rose Bengal, and (C) KR-12 antimicrobial peptide. Mathematical models were performed for slab geometry and up to 60% of the cumulative drug release.