

**Neonatal pharmacokinetics and biodistribution of polymeric nanoparticles and effect of surfactant**

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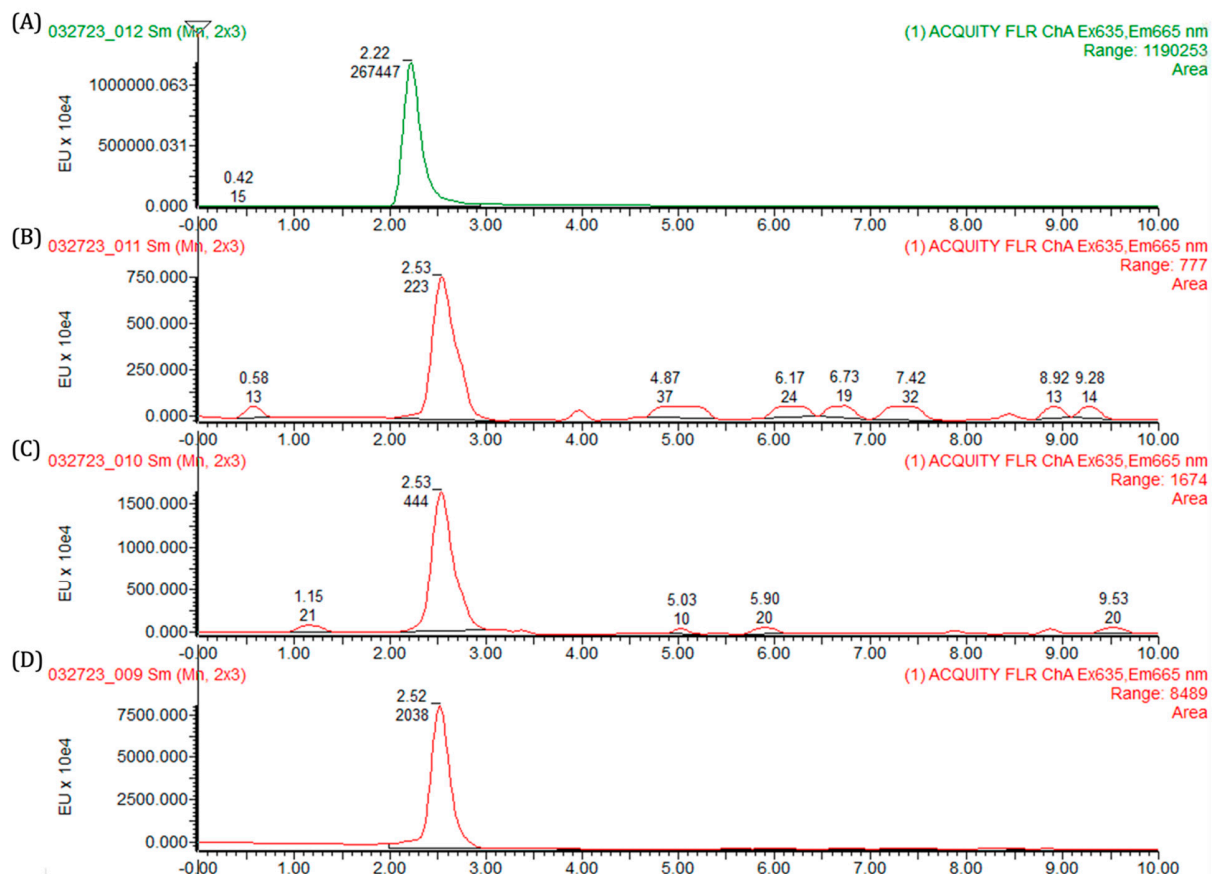
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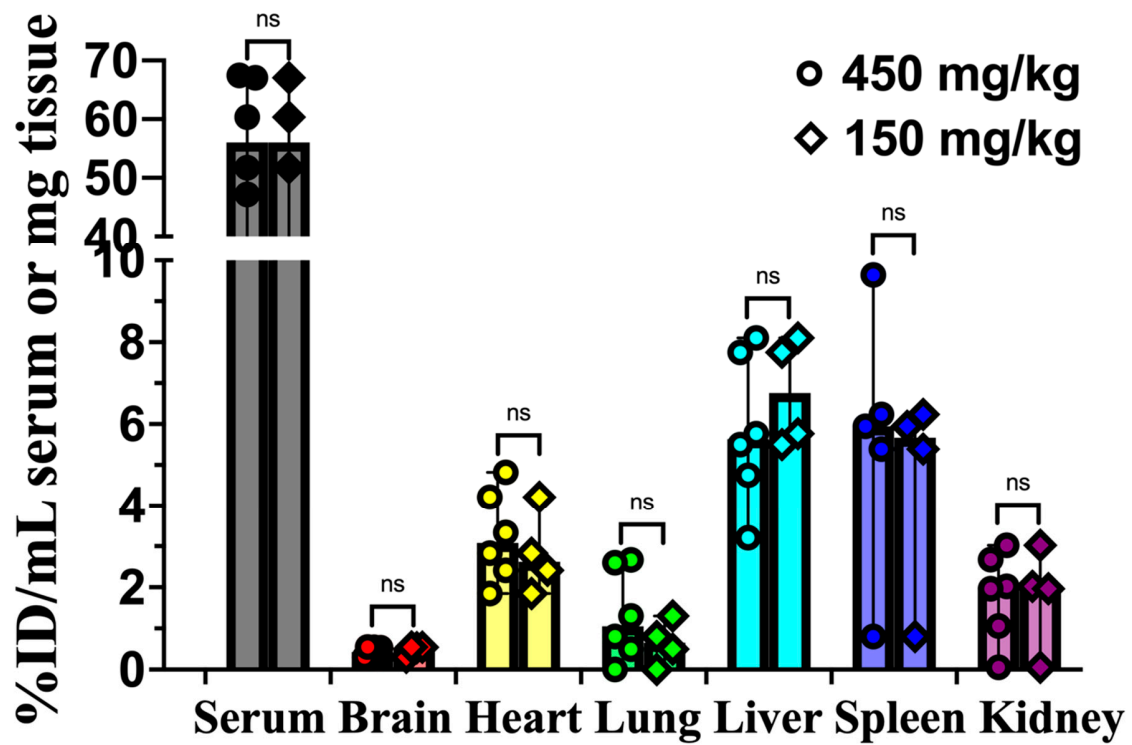
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## Supplemental figure



**Figure S1. Representative HPLC chromatograms acquired based on Ex/Em at 635 nm/665 nm for:** (A) Free CF647 dye at a 20 nmol/mL concentration, (B) blank serum extracts, (C) serum extracts obtained from rat 4 h post injection of PLGA-PEG/F127 at a 150 mg/kg dosage, and (D) serum extracts obtained from rat 4 h post injection of PLGA-PEG/P80 at a 150 mg/kg dosage. The retention time for the serum extracts is different than the free CF647, indicating that there was no CF647 detected in serum extracts.



**Figure S2. Dose-dependent biodistribution of PLGA-PEG/P80.** Biodistribution of PLGA-PEG/P80 at 4 h after i.p. injection with 450 mg/kg i.p. dosage versus 150 mg/kg i.p. dosage in healthy P10 rat ( $n \geq 4$  per timepoint). Graph displays median  $\pm$  95% confidence interval. Group differences were evaluated by Welch's t-test, ns: not significant.