Supplemental material

General procedure for ^{1}H-NMR titrations for pHEMA-lys – UFH or LMWH complexation.

Dry cryogel samples (10 mg) are chopped and inserted into an NMR tube containing 600 µL of D_2O and 0.5 µL of *tert*-butyl alcohol used as a reference for the calculation of NMR areas. Small aliquots of heparin solution at a concentration of 20 mg/ml are progressively added and the NMR tube is vortexed for a couple of minutes, then the area of the ^{1}H-NMR peak at δ = 1.95 characteristic of free heparin is monitored with respect to the area of the t-butanol peak at δ = 1.16.











