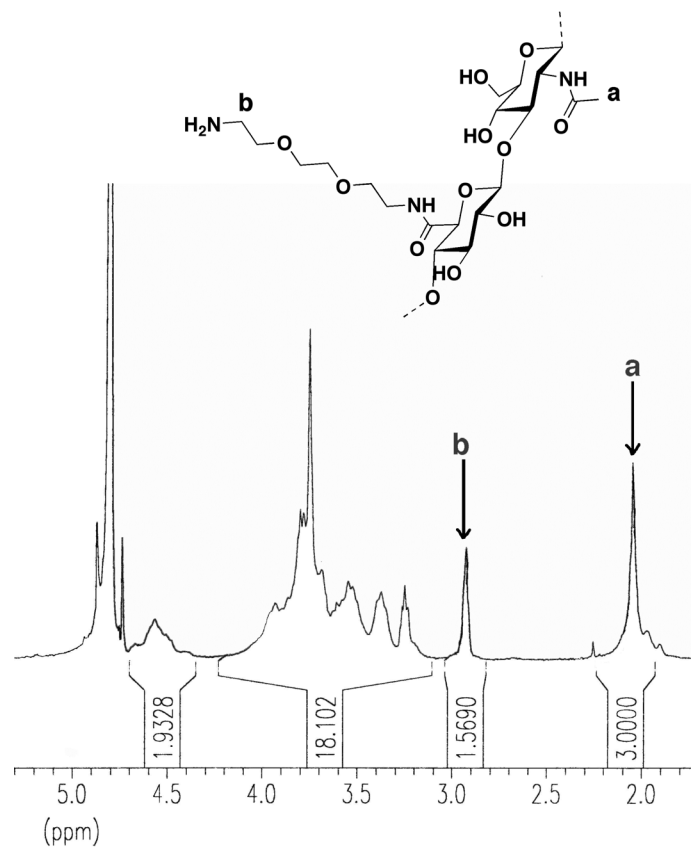
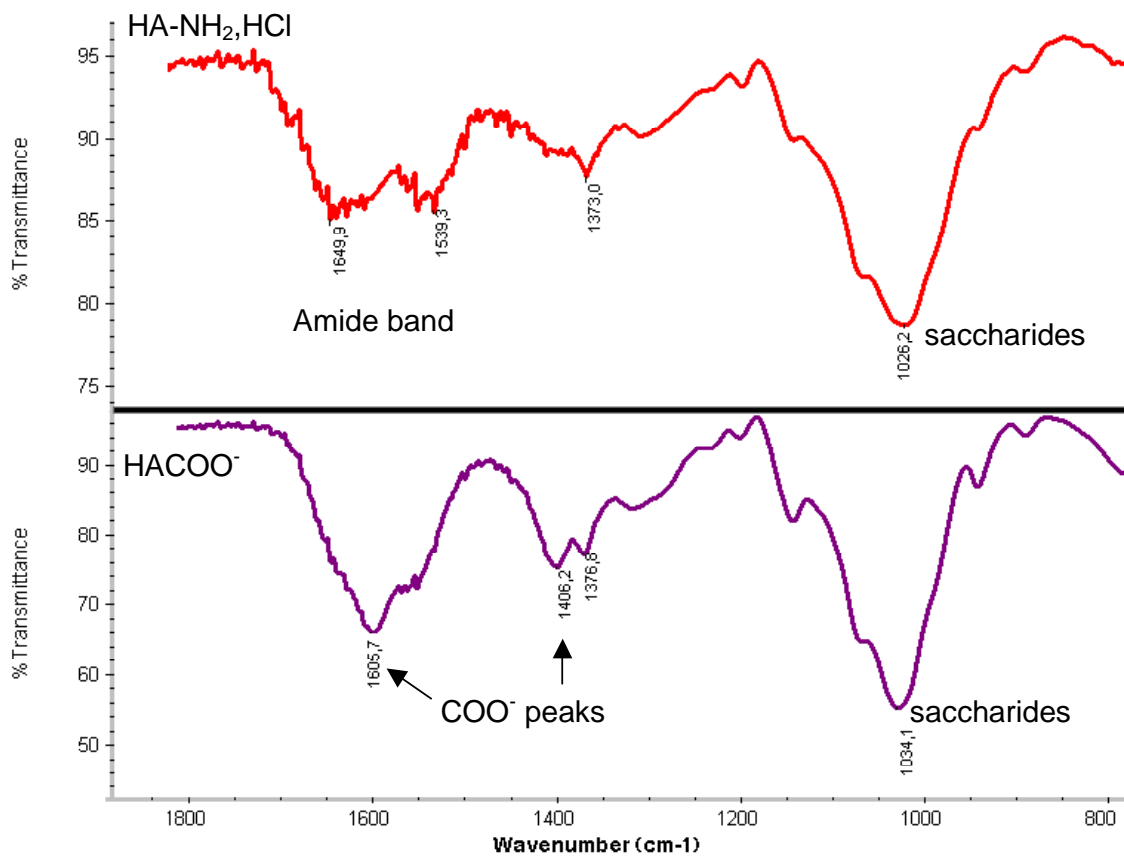


SUPPORTING INFORMATION



Supporting Information, Figure 1. ¹H NMR spectra of HA⁺ in D₂O (degree of substitution was calculated by integration of the methyl of acetamido moiety of GlcNAc residues resonance (**a**; $\delta = 2.05$ ppm, 3H) relative to the methylene group near primary amine (**b**; $\delta = 2.93$ ppm, 2H).



Supporting information, Figure 2. FTIR spectra (section 1800-800 cm⁻¹) of the polymers HA (HACO₂Na) and HA⁺ (HAPeg₂NH₂Cl). The carboxylic peaks that are clearly seen on the anionic hyaluronan (lower curve) have been mostly transformed into amide bands (around 1500-1700 cm⁻¹) in the cationic modified hyaluronan (upper curve).

Supporting information, Figure 3.

Reproducibility of the buildup of a PEI-(HA/HA⁺)₁₀ film measured by QCM experiments. The mean and standard deviation of two independent experiments is shown.

