

Table S1. The degree of substitution (DS) for CD-based polymers.

CD-based polymer	DS	
	FTIR-spectroscopy	NMR-spectroscopy
MPolS	3.6	3,0
HPolS	3.9	3.1
HPolH	1.0	0.8
MPolH	0.6	0.6

Figure S1. The size distribution of the sample HPolS obtained by NTA in Milli Q water, 25°C

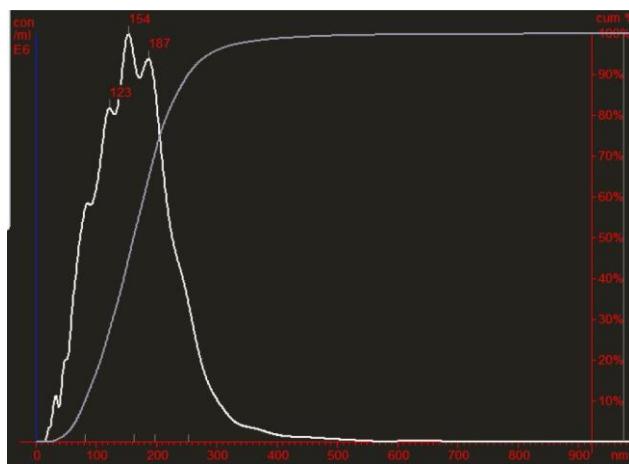


Figure S2. ^1H NMR of HPCD, succinic anhydride, HPolH, HPolS, MPolH and MPolS, D_2O , 400 MHz.

