Electronic Supplementary Material (ESI) for Soft Matter.

SUPPORTING INFORMATION

A facile route towards PDMAEMA homopolymer amphiphiles

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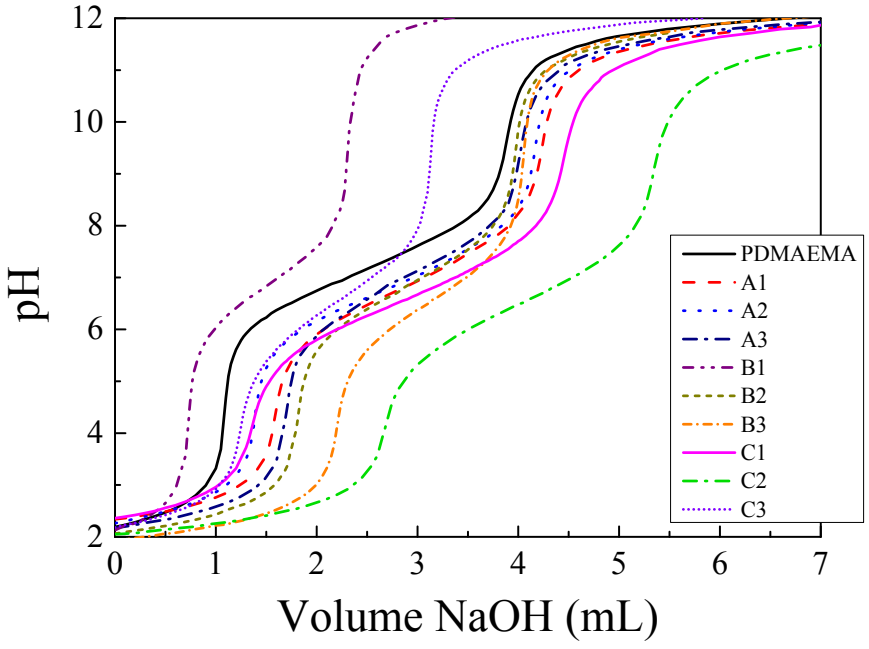

Figure S1. Titration curves for 1.0 wt % aqueous solutions of the PDMAEMA homopolymer and the PDMAEMA-*co*-PQDMAEMA random copolymers.

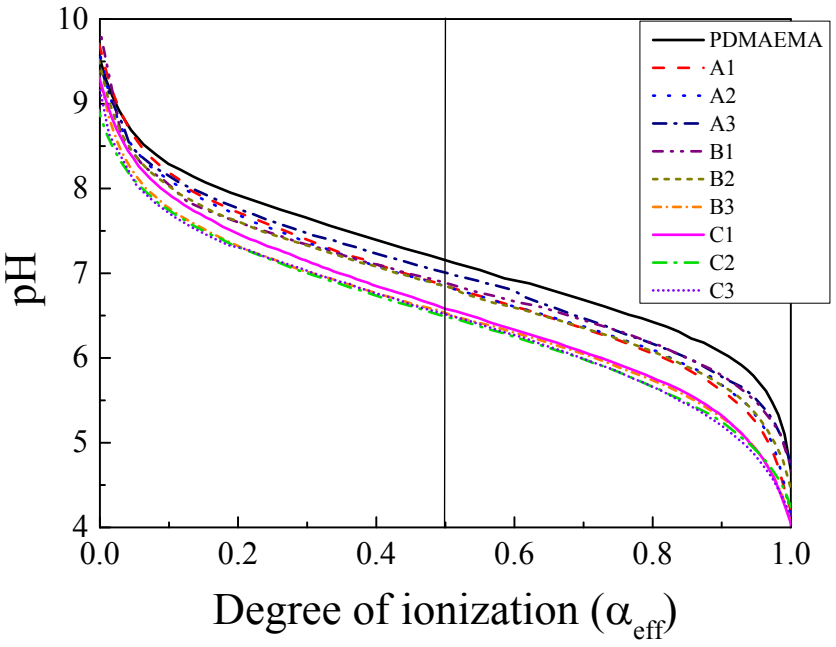

Figure S2. Solution pH *vs* degree of ionization, α_{eff}, for the PDMAEMA homopolymer (black line) and the PDMAEMA-*co*-PQDMAEMA random copolymers.

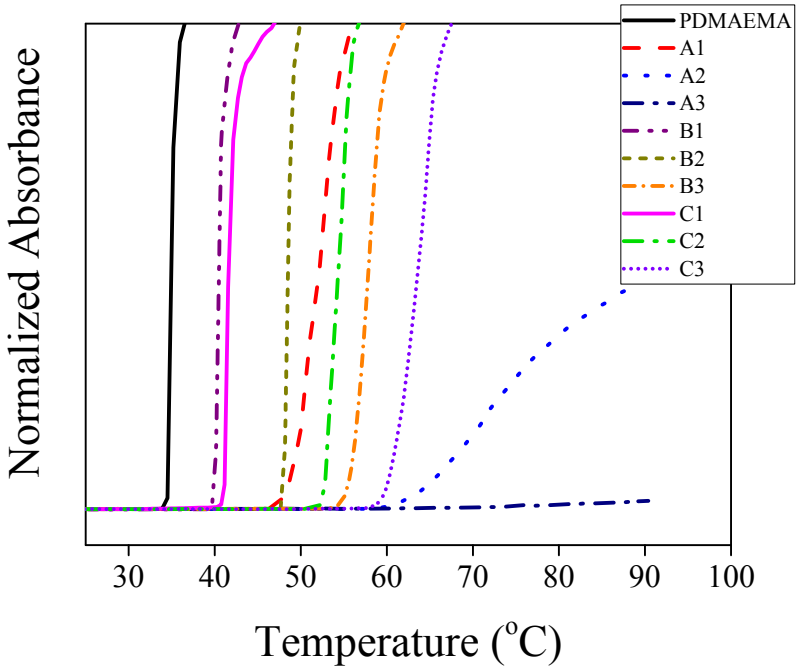

Figure S3. Absorbance (at 650 nm) *vs* temperature for 1.0 wt % aqueous solutions of the PDMAEMA homopolymer and the PDMAEMA-*co*-PQDMAEMA random copolymers at α_{eff} = 0.

Table S1. pH values at degree of ionization equal to one and zero and effective pK_α values for the PDMAEMA homopolymer (black line) and the PDMAEMA-*co*-PQDMAEMA random copolymers

Polymer	pH (α_{eff} = 1)	pH (α_{eff} = 0)	Effective pK_α (α_{eff} = 0.5)
PDMAEMA	4.6	9.5	7.1
A1	4.2	9.7	6.8
A2	4.1	9.6	6.8
A3	4.7	9.5	7.0
B1	4.7	9.7	6.9
B2	4.4	9.4	6.9
B3	4.1	9.3	6.5
C1	4.0	9.3	6.6
C2	4.2	8.9	6.5
C3	4.1	9.2	6.5