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(54) Title: MICELLIC ASSEMBLIES

FIG. 1A

Polymer	Structure	Mn Kda	Block Ratio MW ₂ /MW ₁
P7v1	[D] _{9.1K} -[B ₄₈ -P ₂₉ -D ₂₃] _{11.37K}	19	1.2
P7v2	[D] _{10K} -[B ₄₆ -P ₁₈ -D ₃₇] _{8.9K}	19	0.9
P7v3	[D] _{6.5K} -[B ₄₁ -P ₃₉ -D ₂₀] _{9.5K}	16	1.5
P7v6	[D] _{9.1K} -[B ₅₂ -P ₂₆ -D ₂₂] _{21.9K}	31	2.4

x, y, z ARE MOLE %. MOLECULAR WEIGHTS WERE DETERMINED
 BY GEL PERMEATION CHROMATOGRAPHY USING PMMA STANDARDS.
 COMPOSITIONS WERE DETERMINED BY NMR SPECTROSCOPY

FIG. 1B FIRST BLOCK SECOND BLOCK

Polymer	Mn (kDa)	PDI	% PEGMA	% DMAEMA	Mn (kDa)	PDI	% BMA	% DMAEMA	% PAA
P7-PEGMA100	22.24	1.34	100	0	45.5	1.48	50	28	22
P7-PEGMA20	11.44	1.33	17	83	41.0	1.52	56	23	21
P7-PEGMA10	11.61	1.31	10	90	42.0	1.42	51	23	26
P7-PEGMA5	10.60	1.17	5	95	27.1	1.27	-	-	-
P7-PEGMA-50- 14kDa	14.50	1.35	46	54	38.1	1.44	55	25	20
P7-PEGMA-50- 24kDa	24.25	1.23	47	53	38.4	1.45	52	23	25

(57) Abstract: Provided herein are micellar assemblies comprising a plurality of copolymers. In certain instances, micellar assemblies provided herein are pH sensitive particles.



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