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(54) Title: POLYMERIC CARRIER

FIG. 1A

Polymer	Structure $[D]_{MW_3}$-$[B_x$-P_y-$D_z]_{MW_2}$	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	11.01	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-	14.50	1.35	46	54	38.1	1.44	55	25	20
P7-PEGMA-50-	24.25	1.23	47	53	38.4	1.45	52	23	25

(57) Abstract: Provided herein are polymeric carriers suitable for the delivery of polynucleotides (e.g. oligonucleotides) and/or other therapeutic agents into a living cell.

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