

FIGURE 1

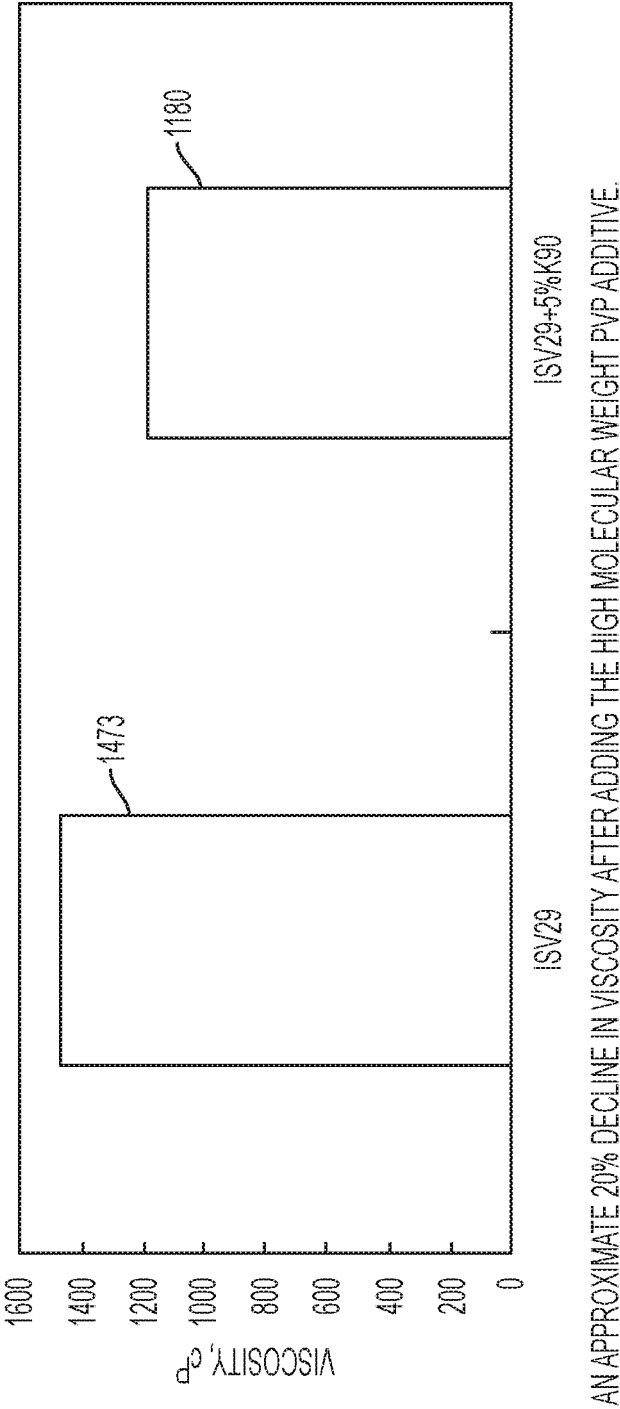


FIGURE 2A

SELF ASSEMBLY NOT DISRUPTED

DEFECTS

DEFECTS

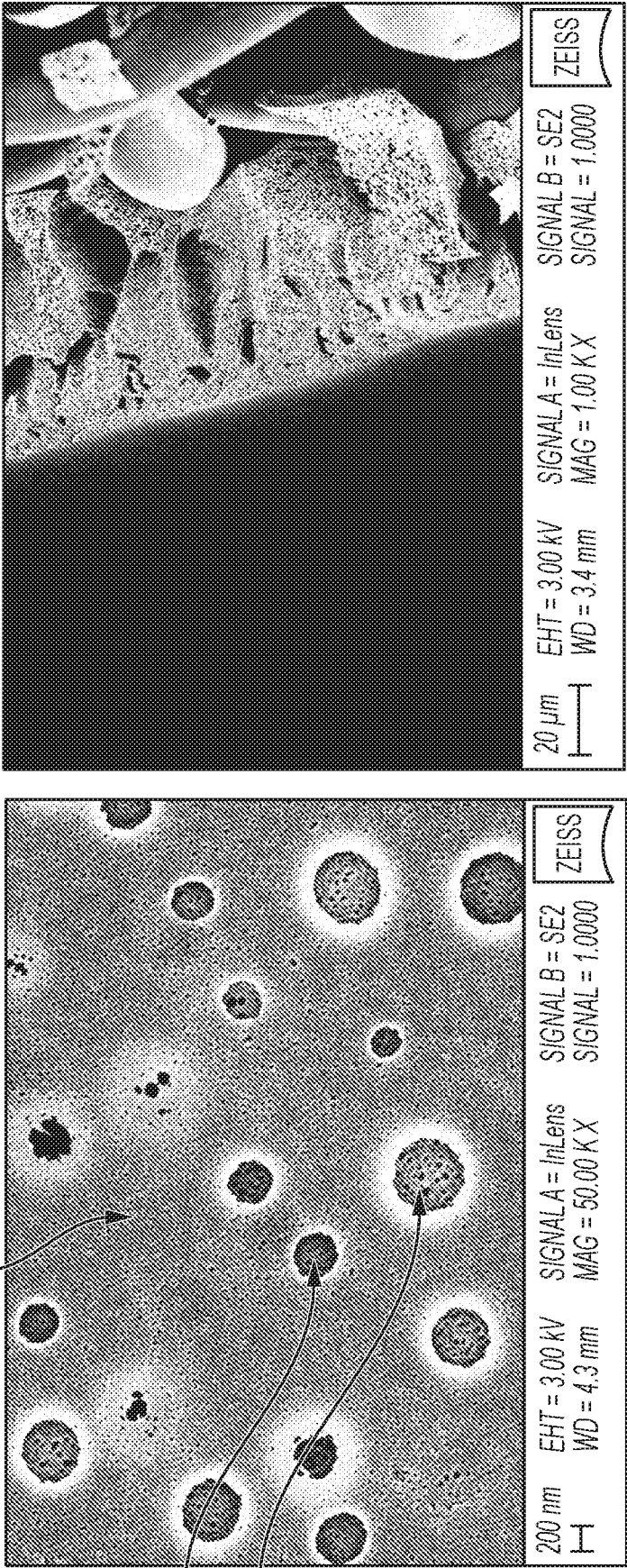
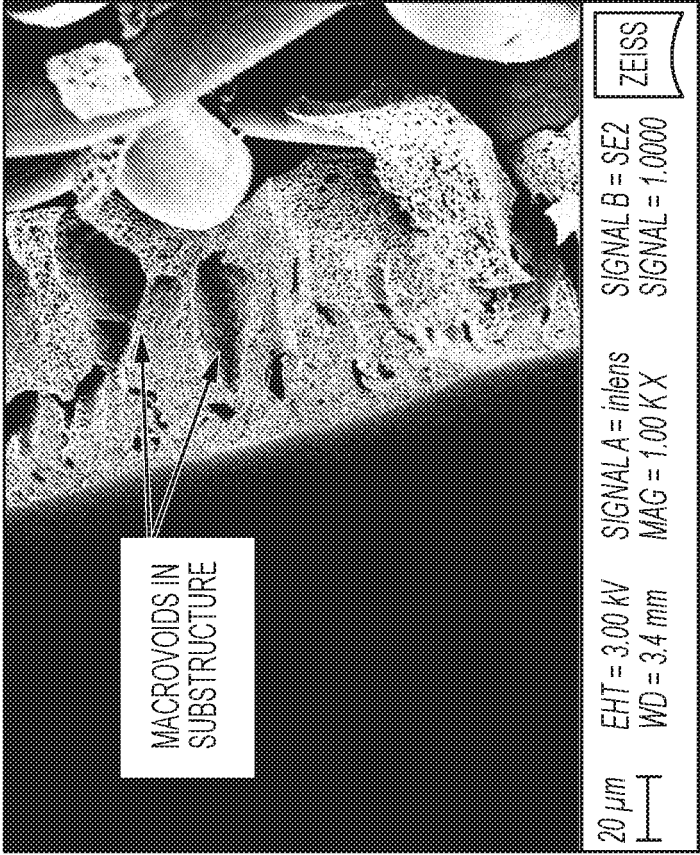


FIGURE 2B

ISV29 - NO ADDITIVE



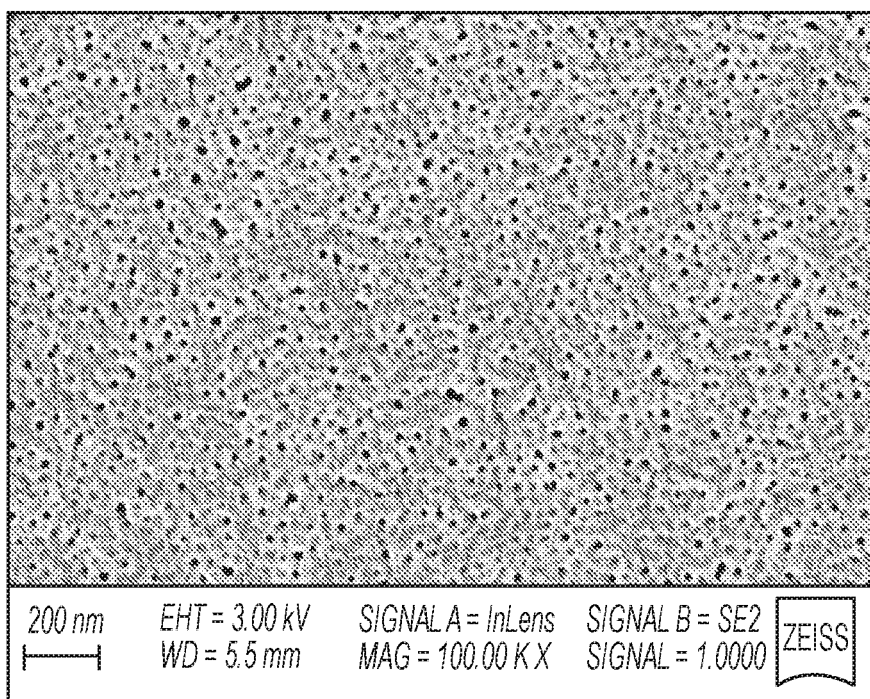
ISV29+150kPEG



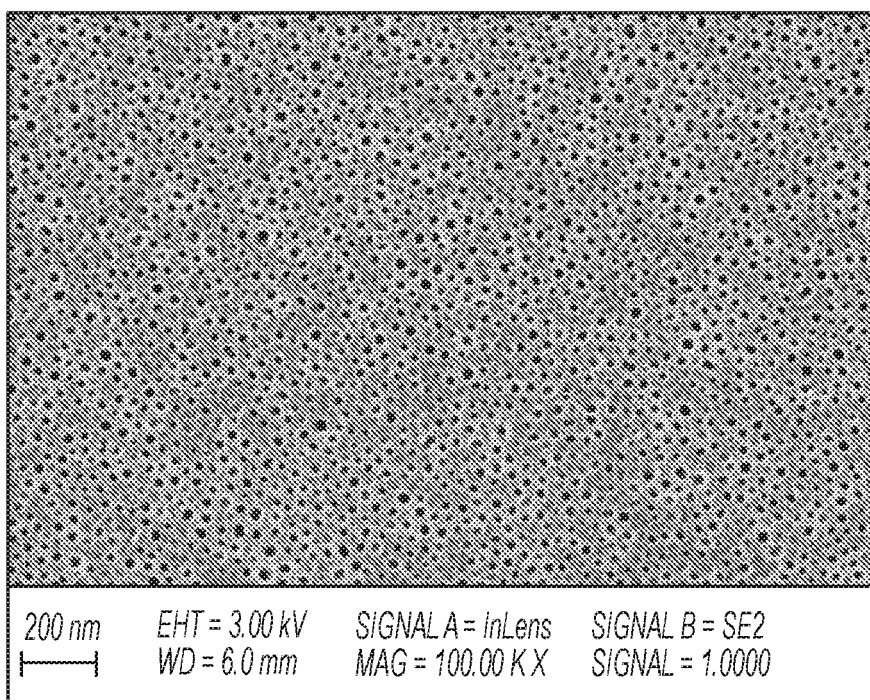
4/13

FIGURE 3

NEAT ISV28



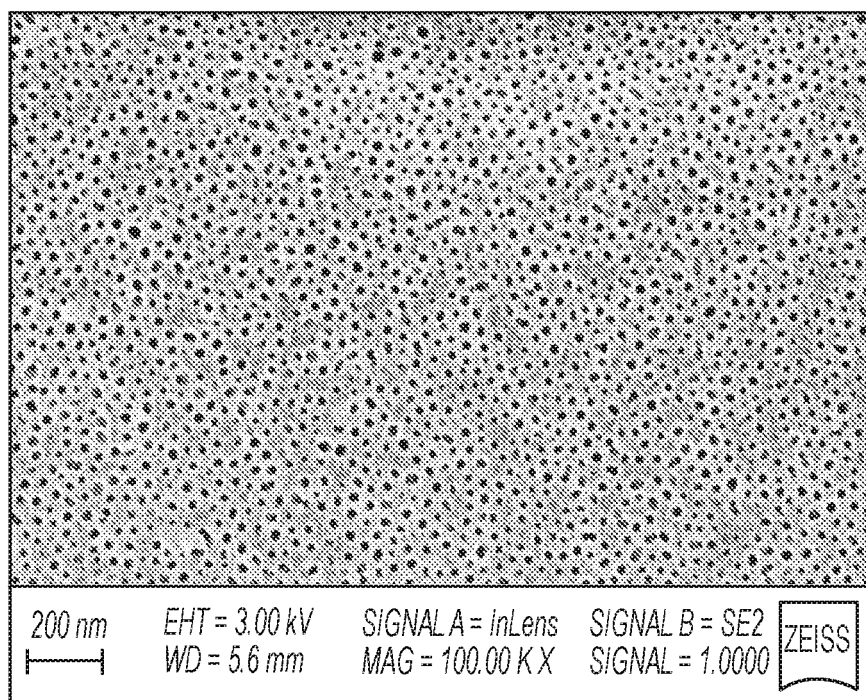
ISV28+5%K90 IN DOX/THF



5/13

FIGURE 3 CONTINUED

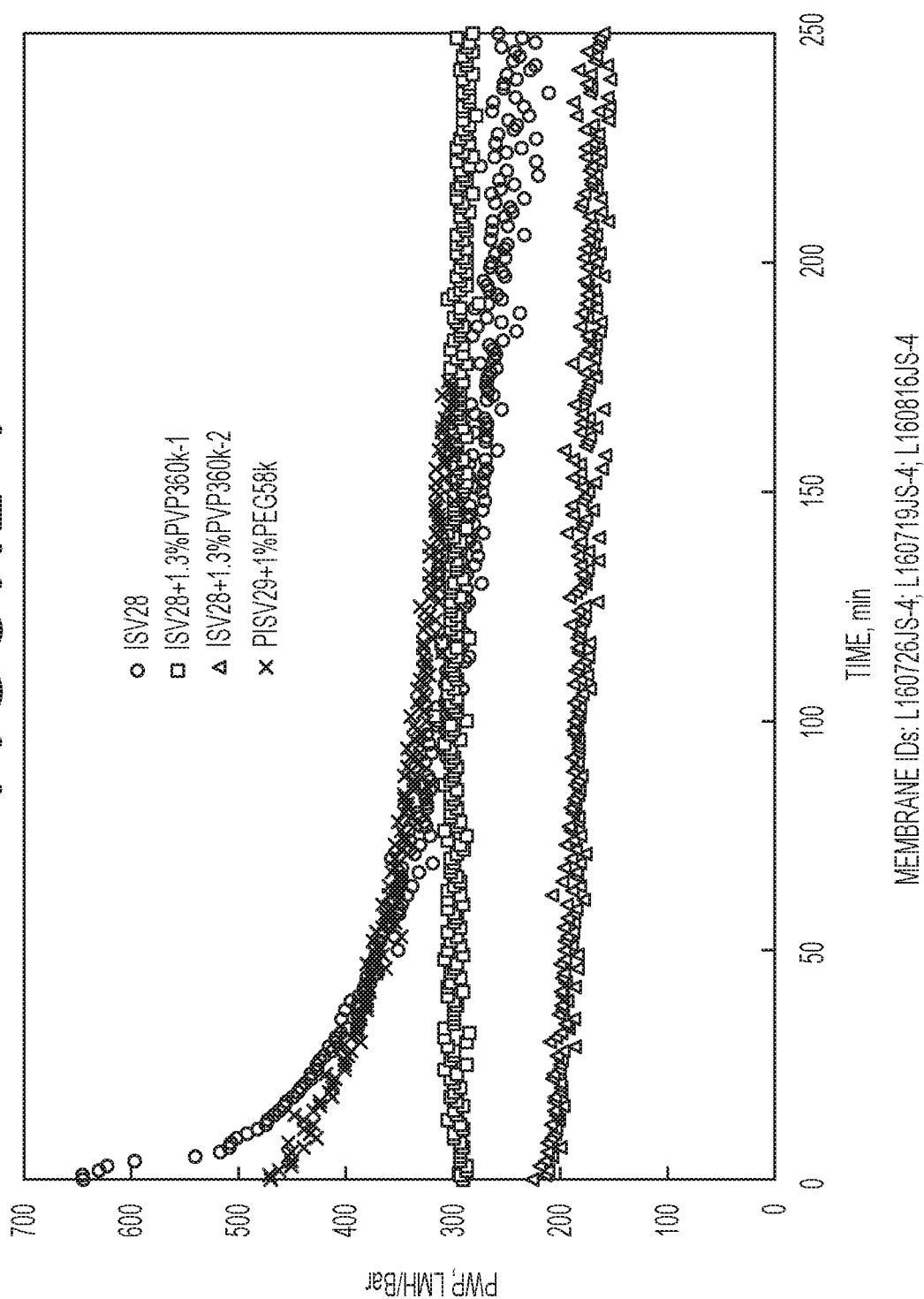
ISV28+5%K90 IN DOX/Ace



ABOVE IMAGES SHOWS THE TOP SURFACE OF ISV MEMBRANES WITH AND WITHOUT THE HIGH MOLECULAR WEIGHT ADDITIVE IN DIFFERENT SOLVENT SYSTEMS. THESE IMAGES CLEARLY SHOWS THAT THE SELF ASSEMBLY WAS NOT DISRUPTED AFTER ADDING HIGH MOLECULAR WEIGHT PVP K90 IN THE CASTING DOPE.

6/13

FIGURE 4

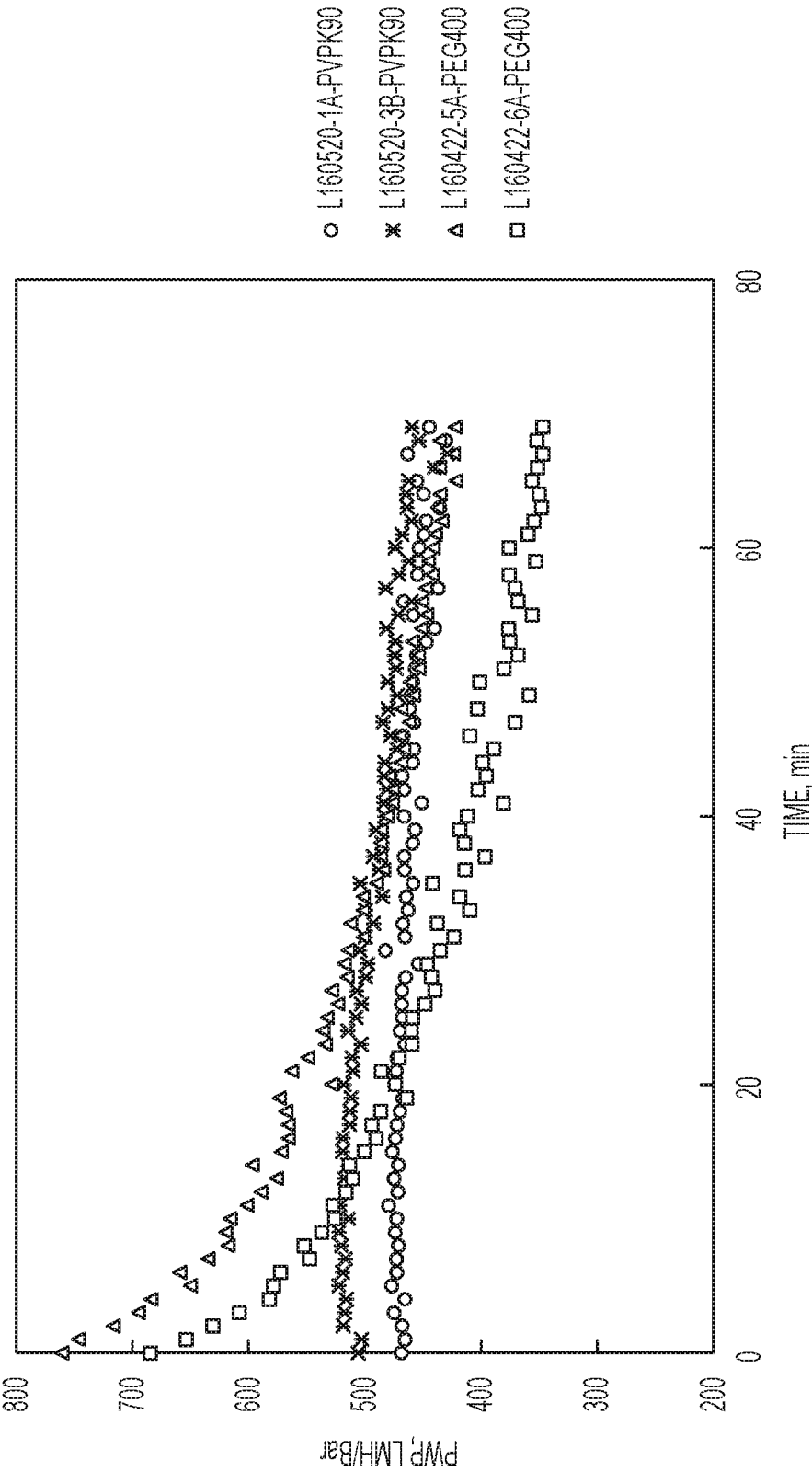


7/13

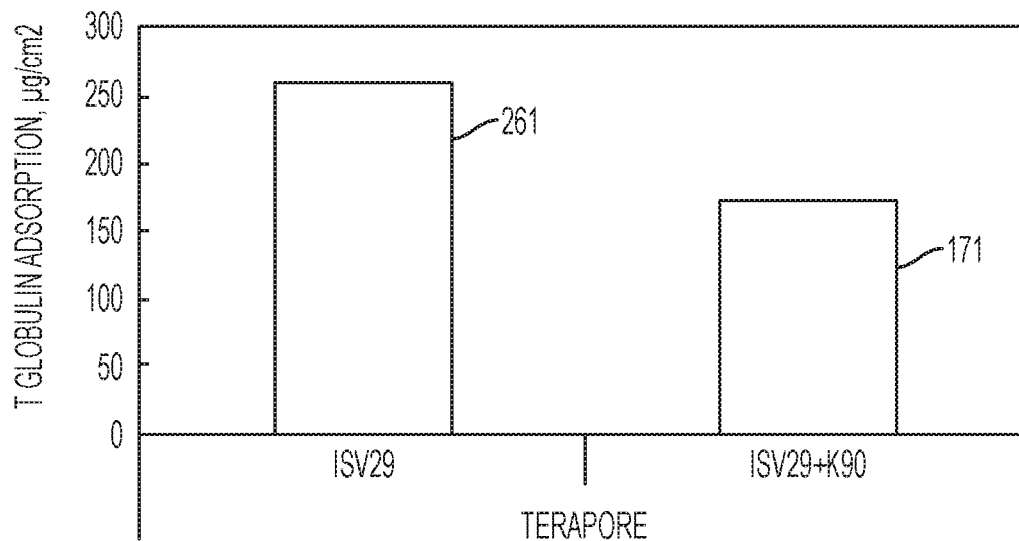
FIGURE 5

CONSTITUENTS	SOLVENT SYSTEM	MEMBRANE ID	FLUX, LMH/Bar	FLUX DECLINE, %
PISV28+1.2%K90	DOX/Ace	L160712JS-1	242	0.3
		L160712JS-3	287	-3
ISV28+5%K90		L160602JS-4A	633.8	30
		L160520JS-1A	446	5
		L160520JS-1B	453	21
PISV22+5%PVPK90	DOX/THF	L160520JS-3A	420	23
		L160520JS-3B	455	12
		L160706JS-1	223	15
PISV28+5%PVPK90	DOX/Ace	L160706JS-2	211	5
		L160706JS-4	252	11
		L160706JS-5	175	8
PISV29+0.5%PVPK90		L160729JS-1	400	34
		L160719JS-1	311	8
		L160719JS-2	291	18
ISV28+1.3%KK90	DOX/Ace	L160719JS-3	259	9
		L160719JS-4	440	10

FIGURE 6



9/13



MEMBRANE WITH X90 HAS ABOUT 35% LESS ADSORPTION OF IgG COMPARED TO NEAT ISV POLYMER. MORE REPEATABLE DATA NEEDS TO BE COLLECTED.

MEMBRANE IDs: L160726JS-SB; L160729JS-2B

FIGURE 7A

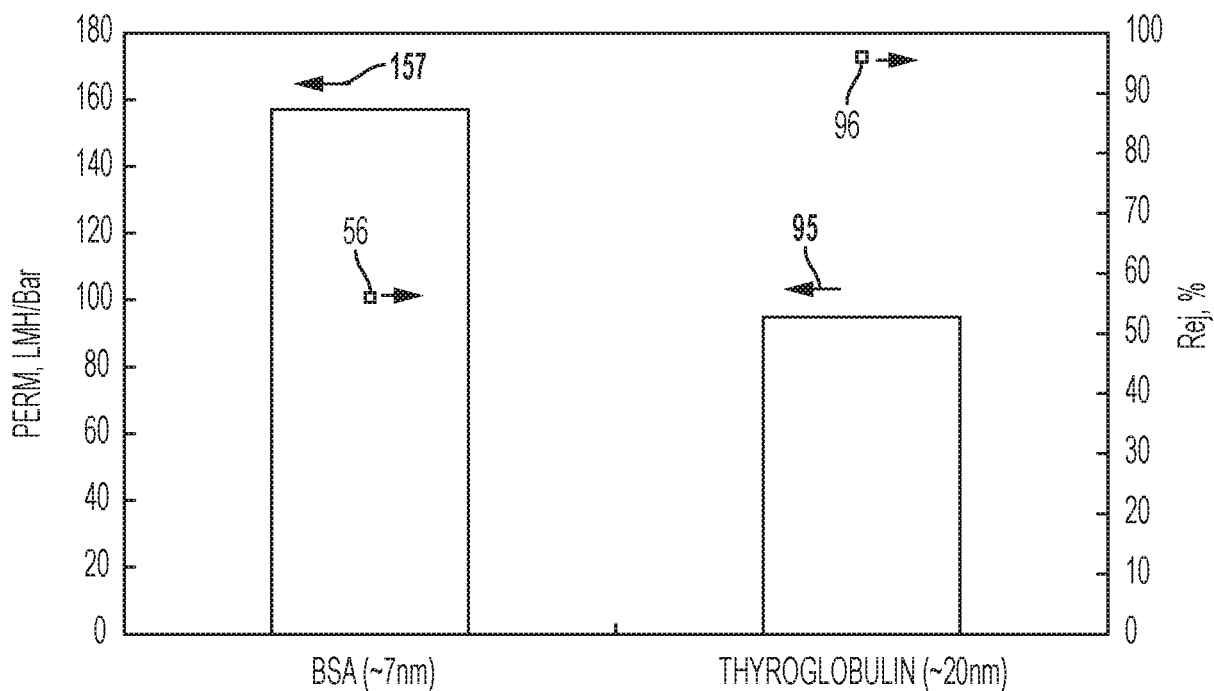
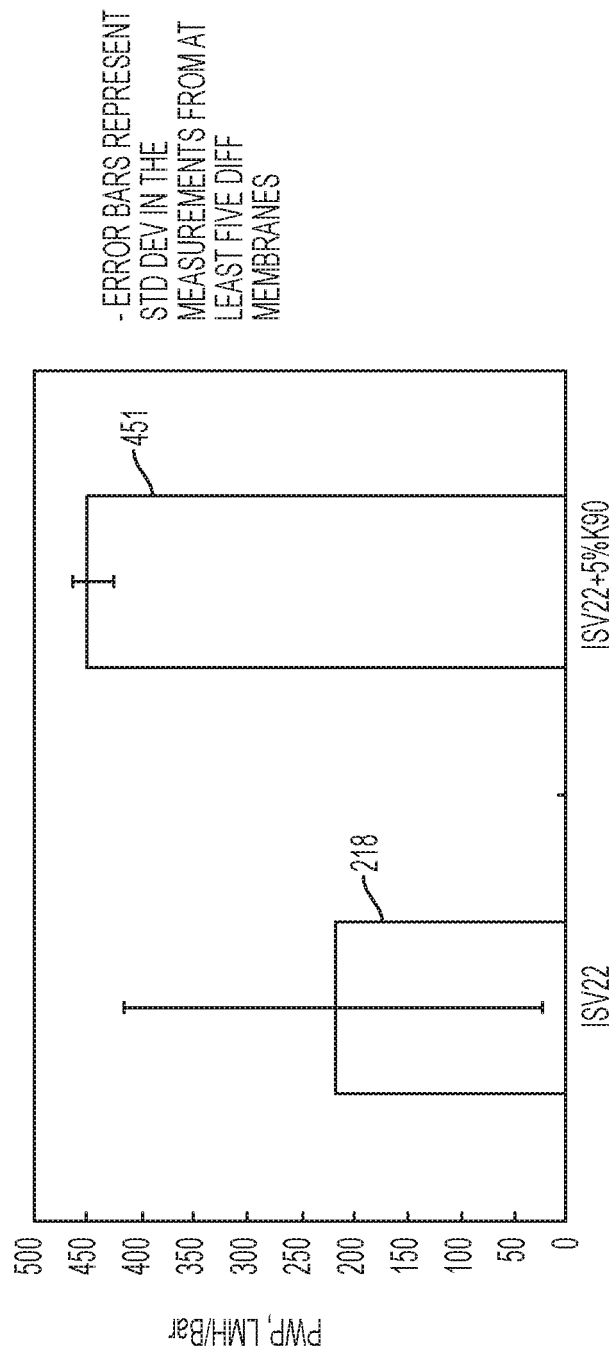
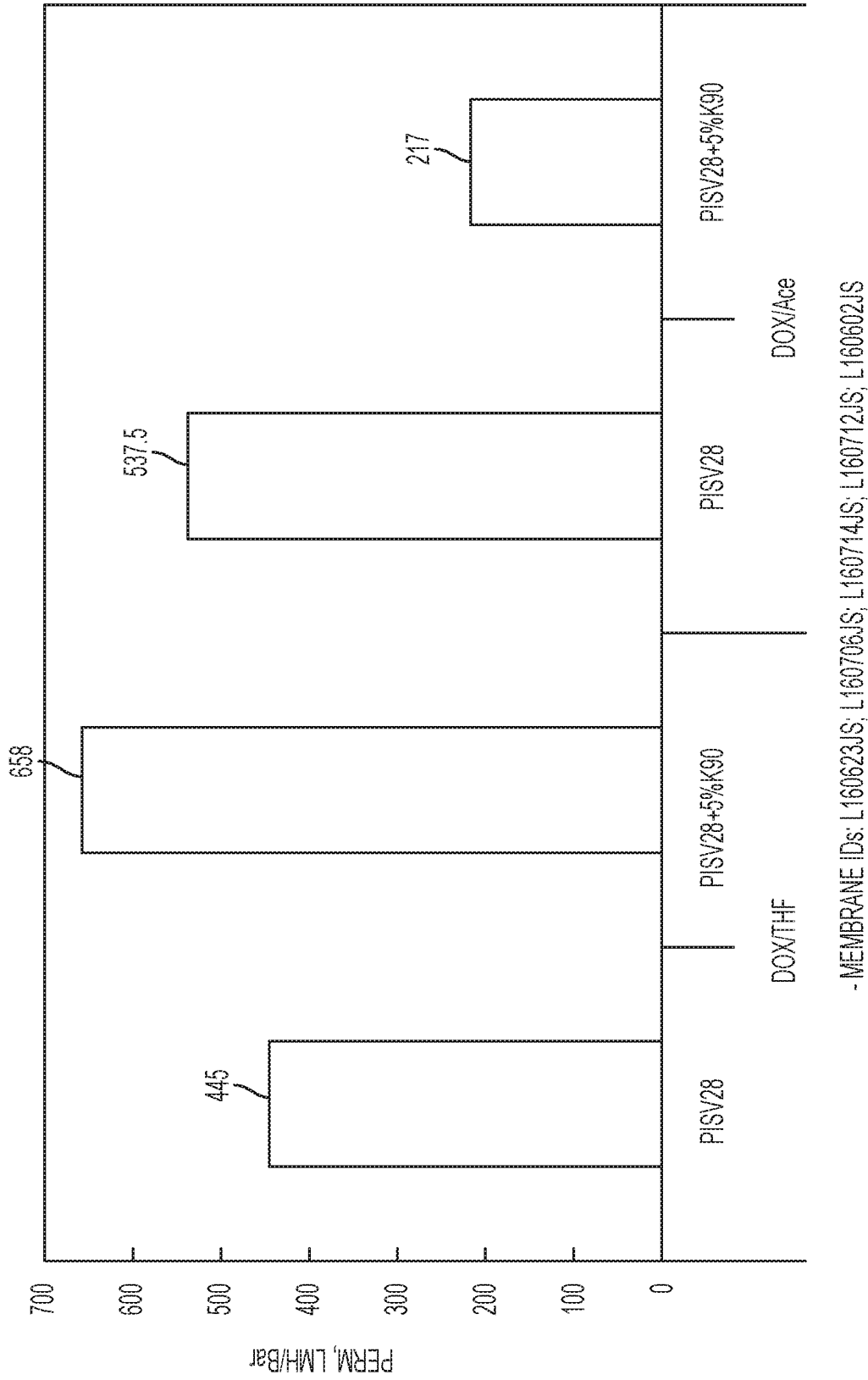


FIGURE 7B

FIGURE 7C





- MEMBRANE IDS: L160623JS; L160706JS; L160714JS; L160712JS; L160602JS

FIGURE 7D

12/13

FIGURE 8

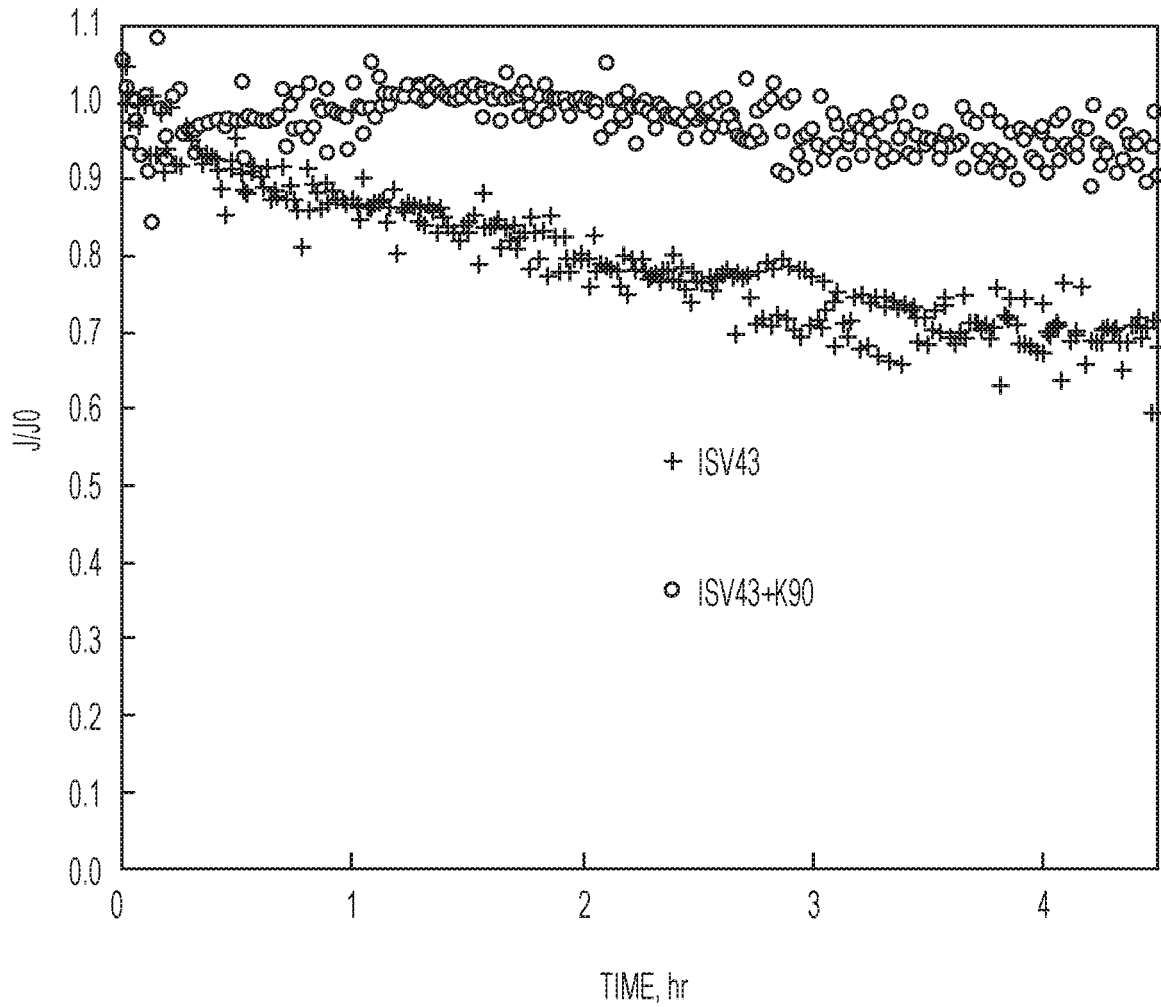


FIGURE 9

