

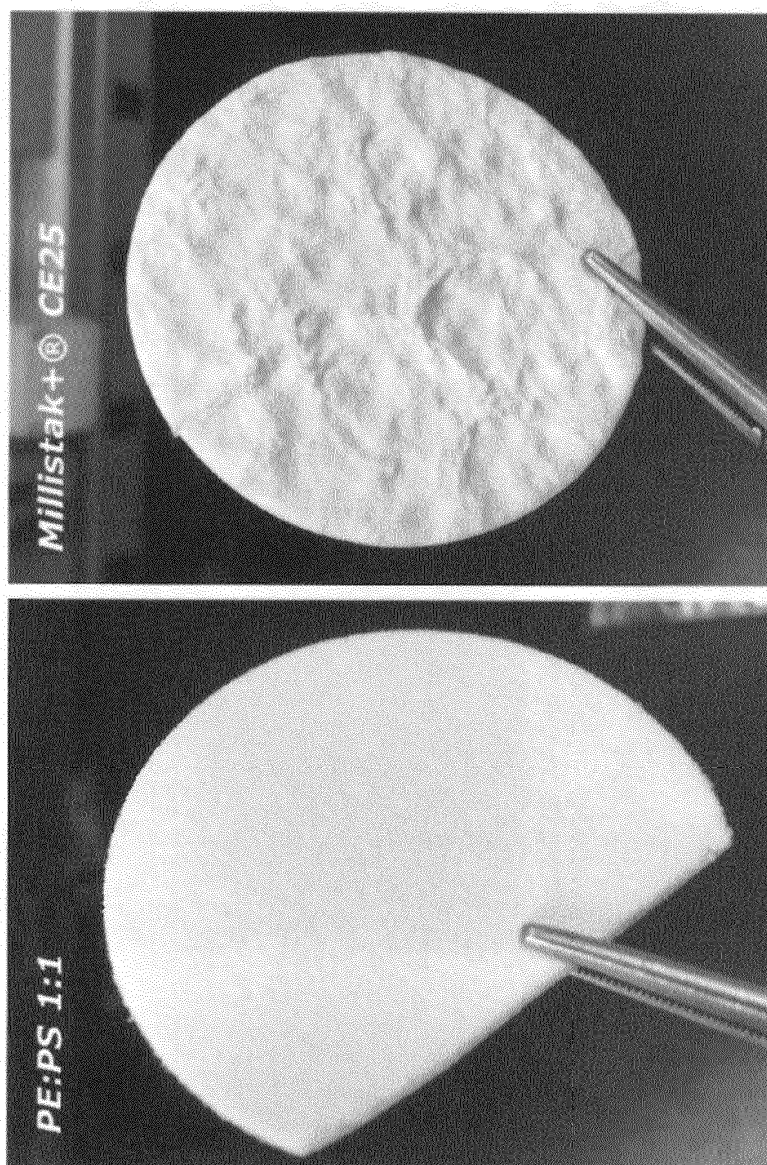


Figure 1

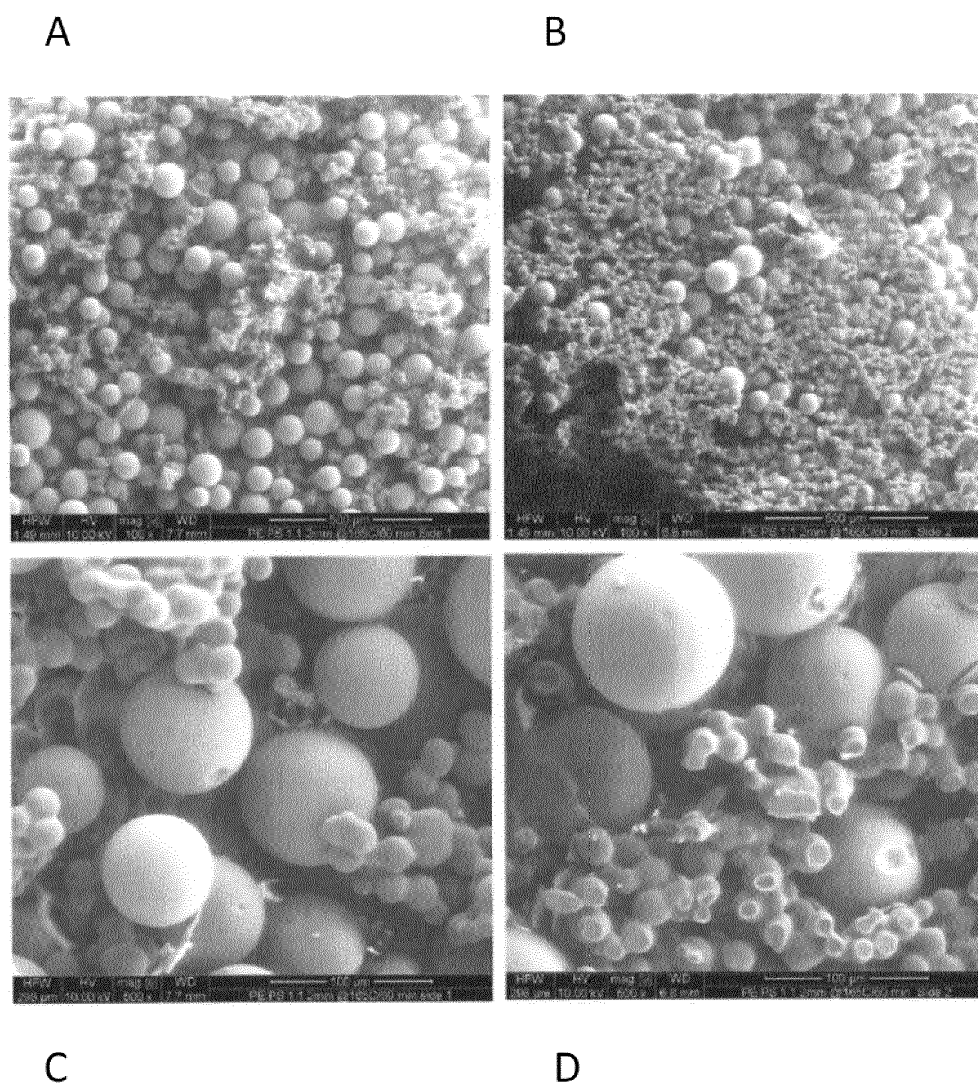


Figure 2

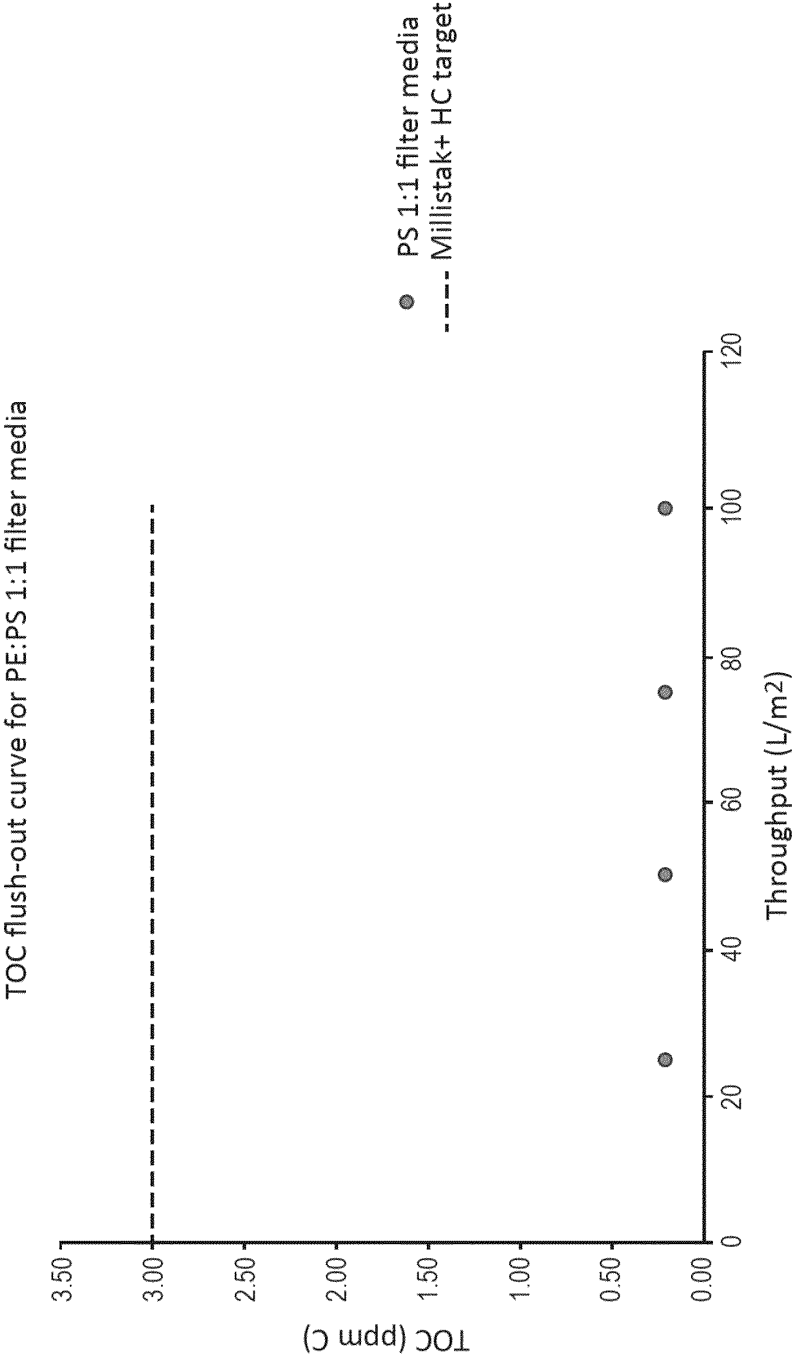


Figure 3

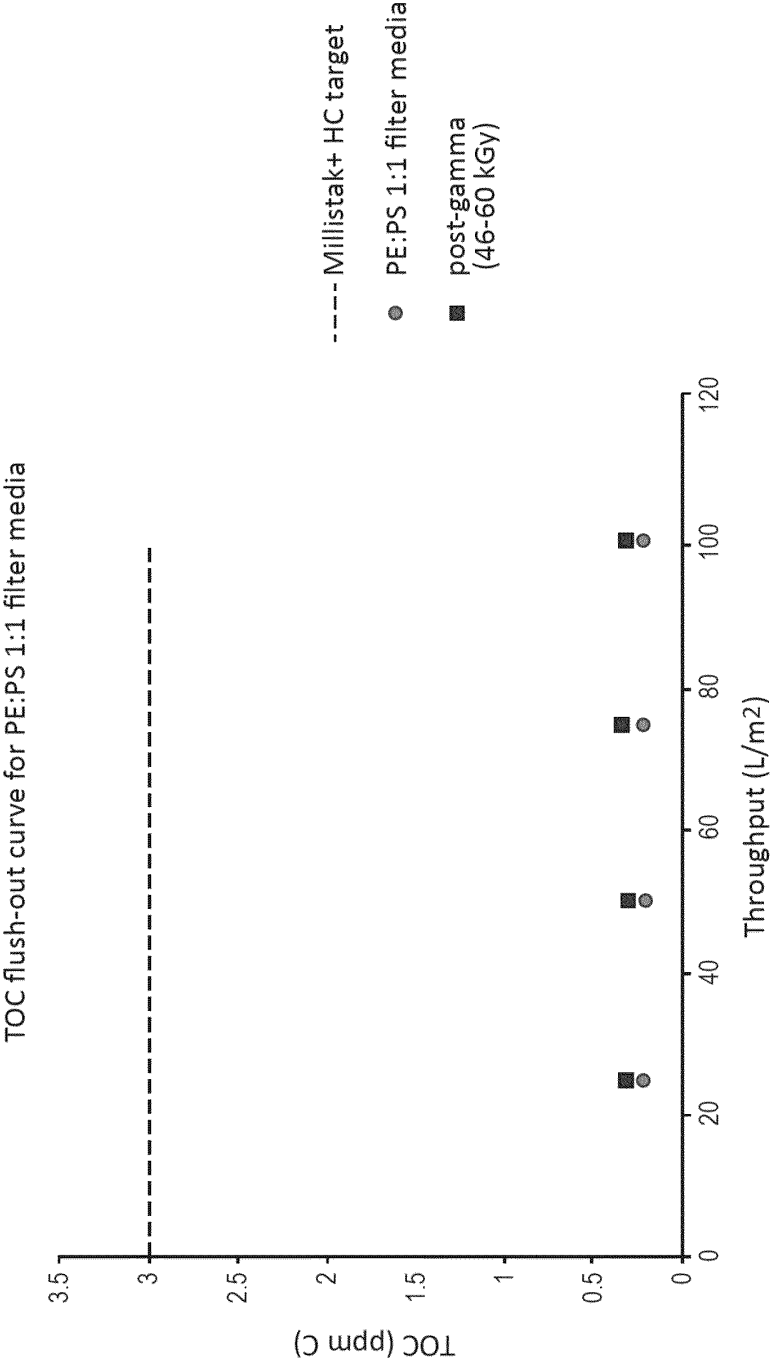


Figure 4

Element	Symbol	Wavelength	Instrument Det. Limit (ppm)	Water flush				
				25 L/m ² (µg/cm ²)	50 L/m ² (µg/cm ²)	75 L/m ² (µg/cm ²)	100 L/m ² (µg/cm ²)	Blank 2 (µg/cm ²)
Silver	Ag	328.058	0.02	*****	*****	*****	*****	*****
Aluminum	Al	396.142	0.02	*****	*****	*****	*****	*****
Arsenic	As	188.971	0.03	*****	*****	*****	*****	*****
Barium	Ba	233.518	0.02	*****	*****	*****	*****	0.02
Beryllium	Be	313.095	0.02	*****	*****	*****	*****	*****
Bismuth	Bi	223.054	0.02	*****	*****	*****	*****	*****
Calcium	Ca	317.933	0.02	*****	*****	*****	*****	*****
Cadmium	Cd	228.795	0.02	*****	*****	*****	*****	*****
Cobalt	Co	228.641	0.02	*****	*****	*****	*****	*****
Copper	Cu	327.39	0.02	*****	*****	*****	*****	*****
Iron	Fe	238.198	0.02	*****	*****	*****	*****	*****
Gallium	Ga	417.179	0.02	*****	*****	*****	*****	*****
Indium	In	230.599	0.02	*****	*****	*****	*****	*****
Potassium	K	766.442	0.03	*****	*****	*****	*****	*****
Lithium	Li	670.742	0.02	*****	*****	*****	*****	*****
Magnesium	Mg	285.206	0.02	*****	*****	*****	*****	*****
Manganese	Mn	257.607	0.02	*****	*****	*****	*****	*****
Sodium	Na	589.547	0.03	*****	0.08	*****	0.11	*****
Nickel	Ni	231.599	0.02	*****	*****	*****	*****	*****
Lead	Pb	220.351	0.02	*****	*****	*****	*****	*****
Selenium	Se	196.045	0.03	*****	*****	*****	*****	*****
Strontium	Sr	407.821	0.02	*****	*****	*****	*****	*****
Thallium	Tl	190.811	0.03	*****	*****	*****	*****	*****
Uranium	U	385.934	0.02	*****	*****	*****	*****	*****
Vanadium	V	290.871	0.02	*****	*****	*****	*****	*****
Zinc	Zn	206.193	0.02	*****	*****	*****	*****	*****
Molybdenum	Mo	202.029	0.02	*****	*****	*****	*****	*****
Titanium	Ti	334.928	0.02	*****	*****	*****	*****	*****
Chromium	Cr	205.558	0.02	*****	*****	*****	*****	*****
Silicon	Si	251.611	0.03	*****	0.30	0.21	0.24	0.29

Figure 5

Summary		40-60 kGy gamma											
		water flush only											
		Water flush											
Element	Symbol	Wavelength	Instrument	25 L/m ² post-gamma (ppm)	50 L/m ² post-gamma (ppm)	75 L/m ² post-gamma (ppm)	100 L/m ² post-gamma (ppm)	25 L/m ² (ppm)	50 L/m ² (ppm)	75 L/m ² (ppm)	100 L/m ² (ppm)	Blank 2	
			Det. Limit (ppm)									(ppm)	
Silver	Ag	328.058	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Aluminum	Al	396.142	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Arsenic	As	188.971	0.03	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Barium	Ba	233.518	0.02	.....	.....	.....	.....	.....	.....	0.023	0.023	.....	
Beryllium	Be	313.095	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Bismuth	Bi	223.054	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Calcium	Ca	317.933	0.02	.....	0.022	0.024	.....	.....	.....	0.034	0.03	.....	
Cadmium	Cd	228.795	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Cobalt	Co	228.641	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Copper	Cu	327.39	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Iron	Fe	238.198	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Gallium	Ga	417.179	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Indium	In	230.599	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Potassium	K	766.442	0.03	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Lithium	Li	670.742	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Magnesium	Mg	285.206	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Manganese	Mn	257.607	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Sodium	Na	589.547	0.03	0.148	0.107	0.145	0.104	0.097	.....	0.13	0.125	0.144	
Nickel	Ni	231.599	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Lead	Pb	220.351	0.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	

Figure 6

FROM FIG. 6

Selenium	Se	196.045	0.03	0.091	0.315	0.354	0.117	0.084	0.093	0.45	0.424	0.287
Strontium	Sr	407.821	0.02	0.091	0.315	0.354	0.117	0.084	0.093	0.45	0.424	0.287
Thallium	Tl	190.811	0.03	0.091	0.315	0.354	0.117	0.084	0.093	0.45	0.424	0.287
Uranium	U	385.934	0.02	0.091	0.315	0.354	0.117	0.084	0.093	0.45	0.424	0.287
Vanadium	V	290.871	0.02	0.091	0.315	0.354	0.117	0.084	0.093	0.45	0.424	0.287
Zinc	Zn	206.193	0.02	0.091	0.315	0.354	0.117	0.084	0.093	0.45	0.424	0.287
Molybdenum	Mo	202.029	0.02	0.091	0.315	0.354	0.117	0.084	0.093	0.45	0.424	0.287
Titanium	Ti	334.928	0.02	0.091	0.315	0.354	0.117	0.084	0.093	0.45	0.424	0.287
Chromium	Cr	205.558	0.02	0.091	0.315	0.354	0.117	0.084	0.093	0.45	0.424	0.287
Silicon	Si	251.611	0.03	0.091	0.315	0.354	0.117	0.084	0.093	0.45	0.424	0.287

Figure 6 (cont.)

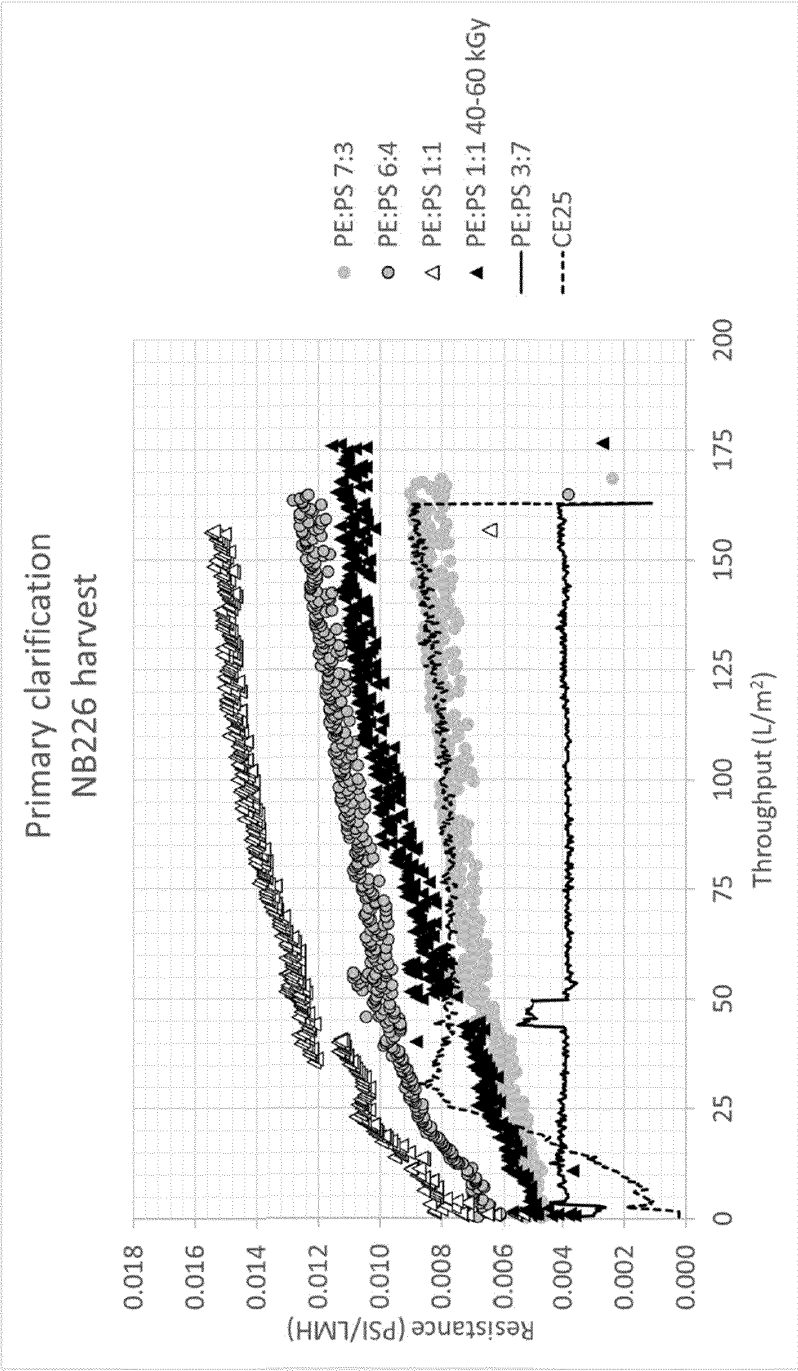


Figure 7

- 9 / 15 -

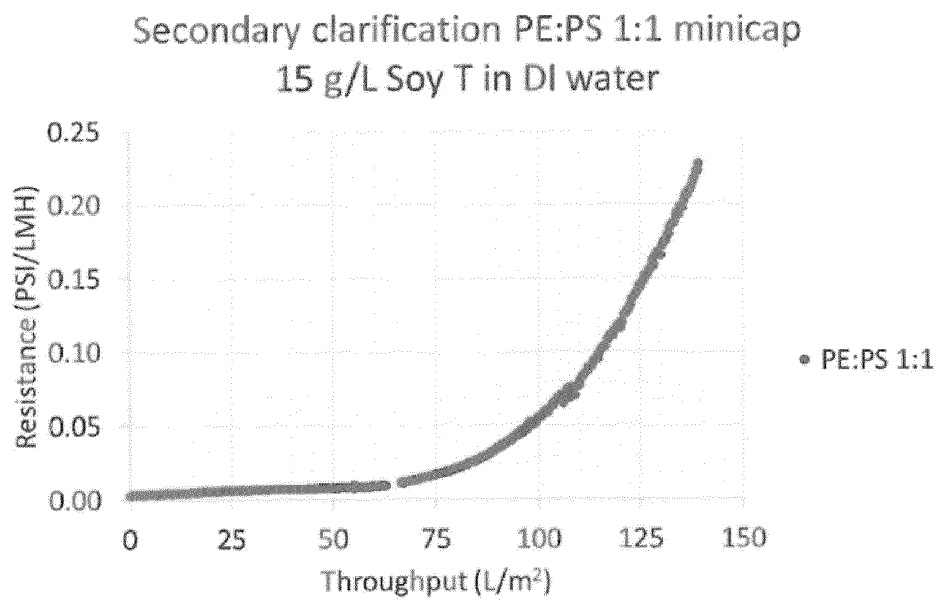


Figure 8

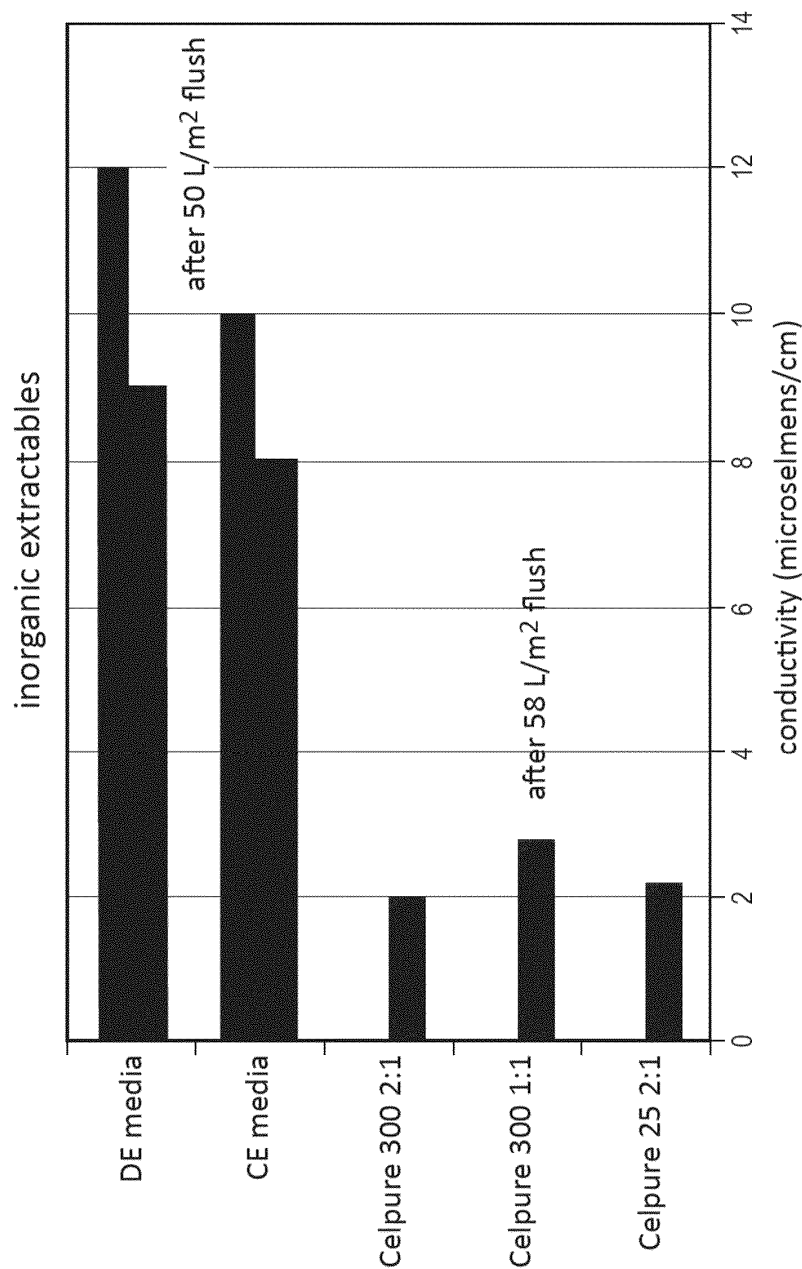


Figure 9 (Prior Art)

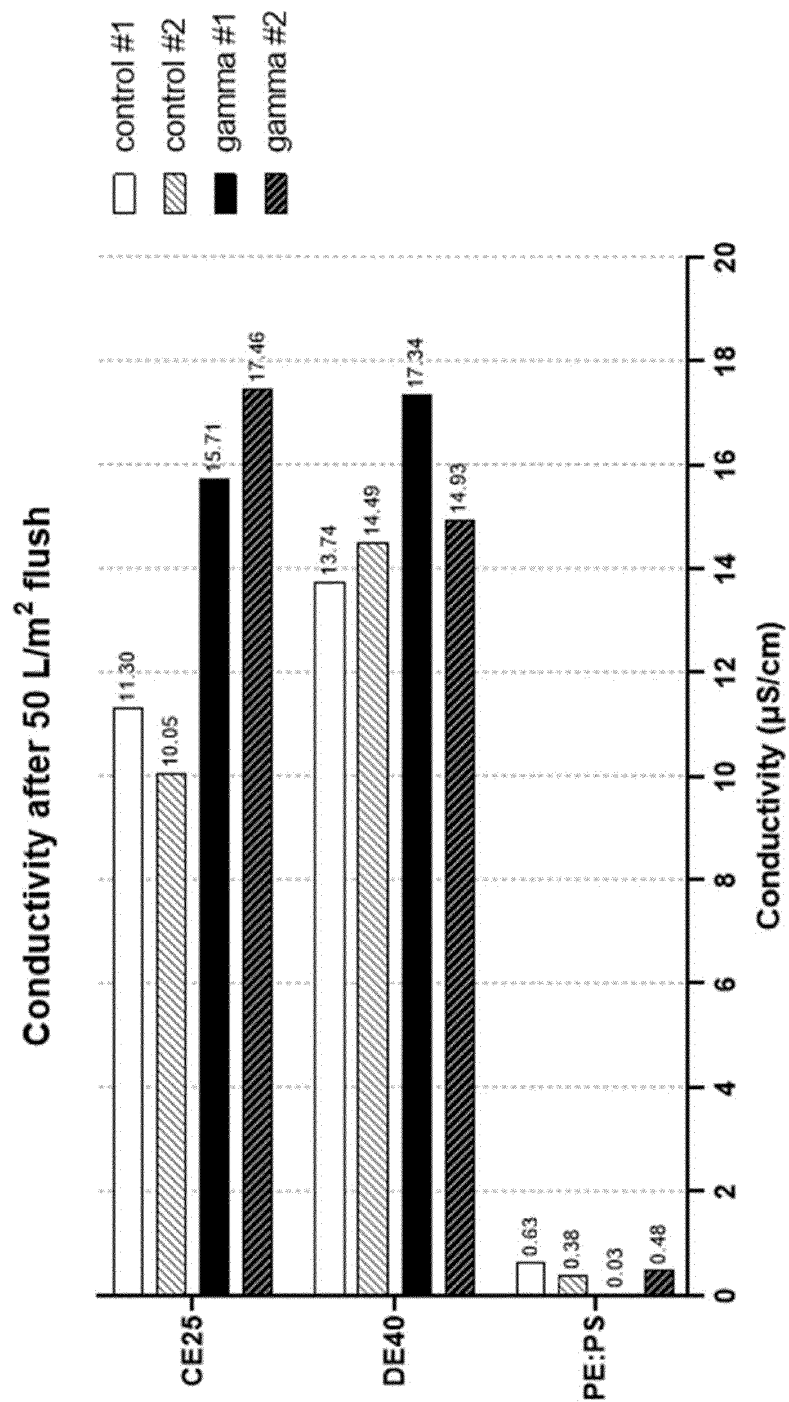


Figure 10

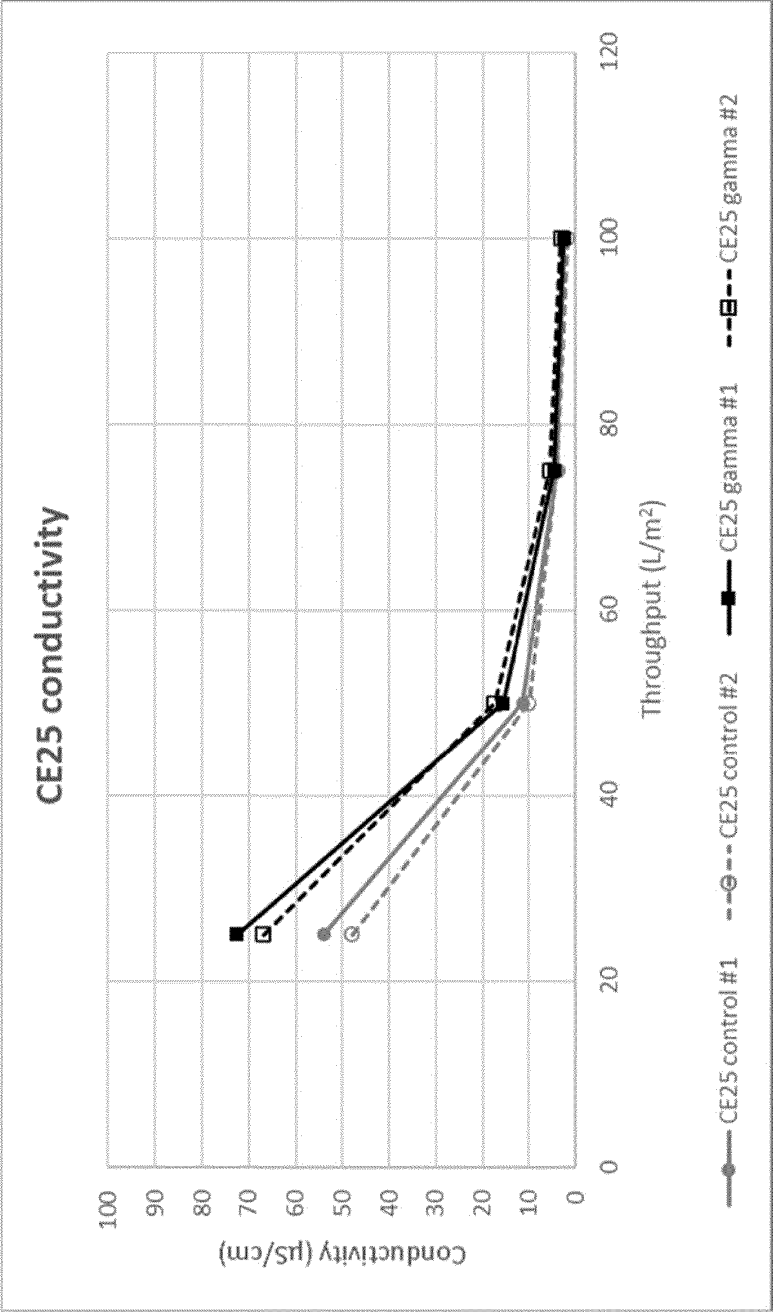


Figure 11

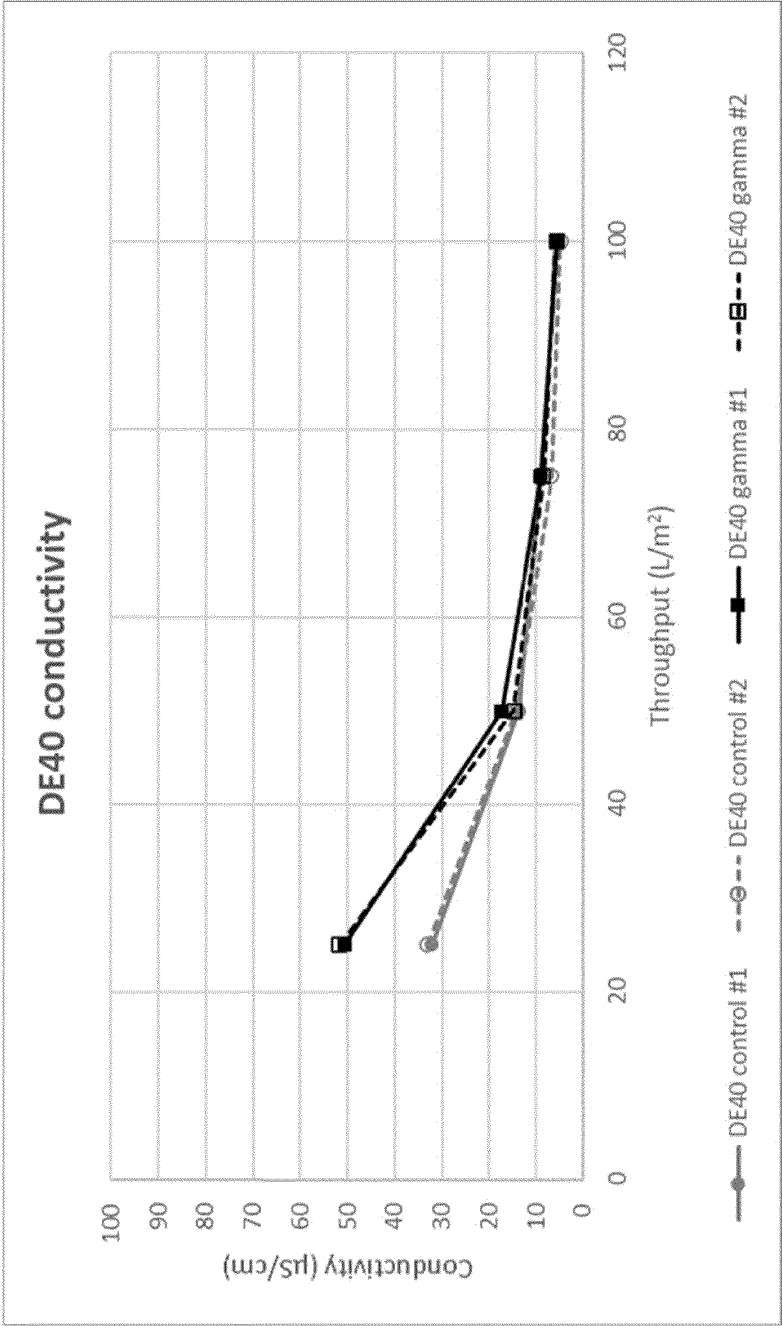


Figure 12

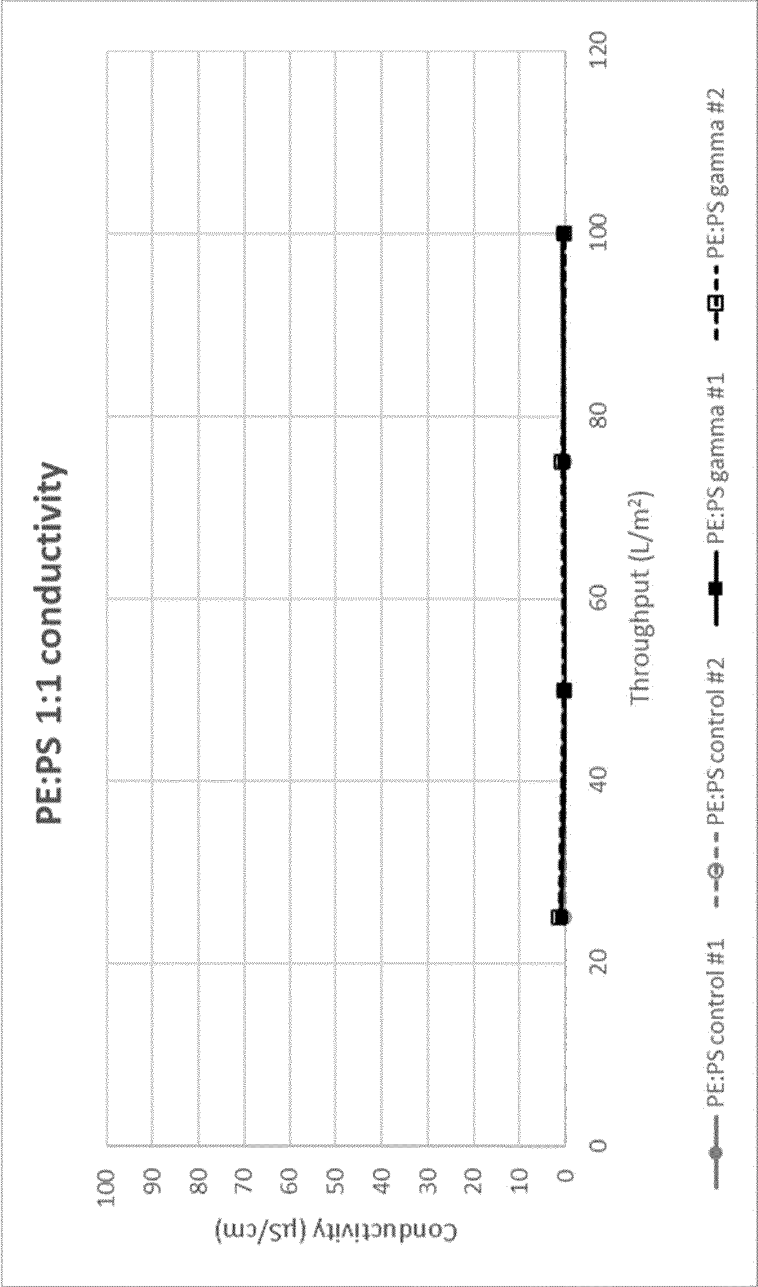


Figure 13

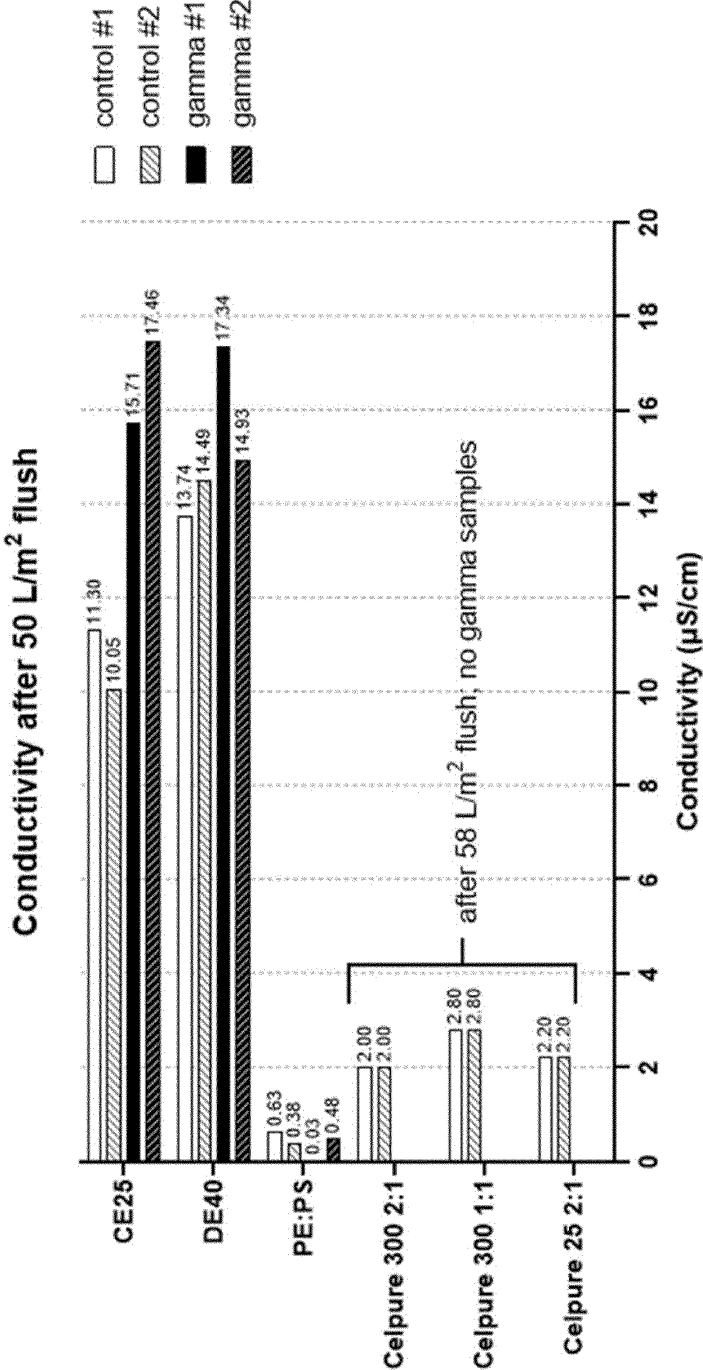


Figure 14