

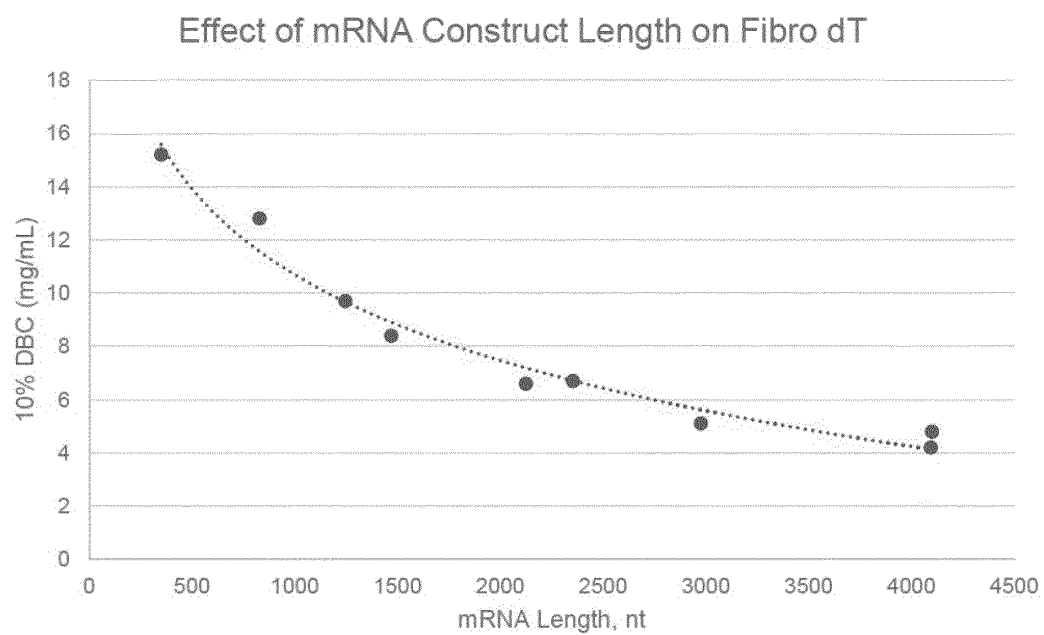


FIG 1A

mRNA Length (nt)	% Tailed (Sample)	[Tailed mRNA] (mg/mL)	LC (mg/mL)	10% DBC (mg/mL)	SBC (mg/mL)	% Tailed (Elution)
~400	100	0.152	22.8	15.2	21.4	100
~800	96.27	0.182	27.4	12.8	21.9	96.54
~1200	94.28	0.209	31.4	9.7	17.8	95.62
~1400	97.62	0.187	28.0	8.4	17.3	98.54
~2100	85.94	0.171	25.6	6.6	15.2	89.99
~2400	86.84	0.148	22.2	6.7	12.1	86.14
~3000	75.76	0.177	26.5	5.1	14.7	90.13
~4100	70.41	0.175	26.3	4.8	8.7	78.1
~4100	85.17	0.130	19.4	4.2	10.0	95.60
Sample			% Tailed (Sample)	[Tailed mRNA] (mg/mL)	LC (mg/mL)	
~4100 nt mRNA			82.98	0.132	13.2	

FIG 1B

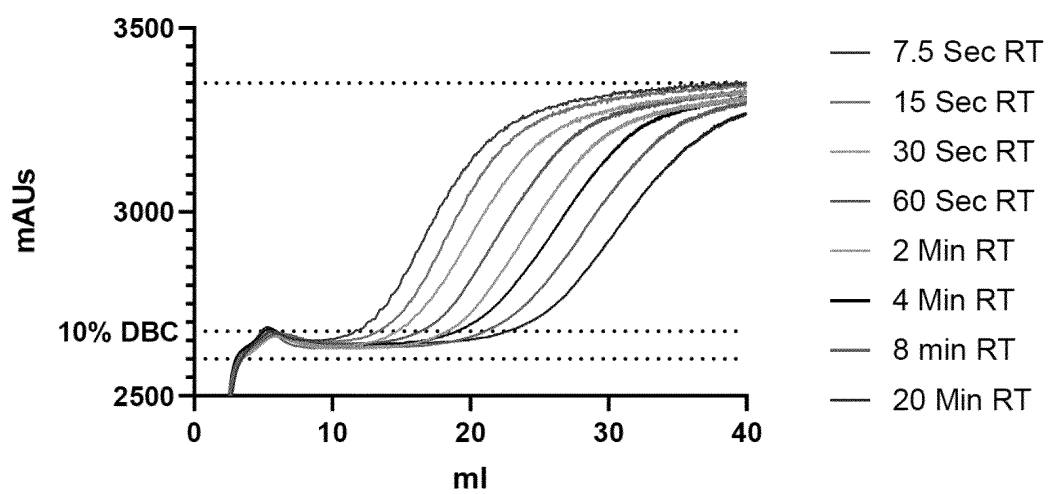


FIG 2A

Residence Time (Sec)	% Tailed (Elution)	10% DBC (mg/mL)	Static Binding Capacity	ΔP (Bar)
7.5	95.90	2.9	8.6	4.8
15	95.09	3.4	9.6	3.9
30	95.60	4.2	10.0	3.3
60	95.78	4.4	11.3	3.0
120	95.82	5.0	12.1	2.8
240	95.73	5.3	13.0	2.5
480	95.85	5.9	12.8	2.3
1200	95.58	6.5	13.6	2.2

FIG 2B

Fig 3: Shorter ligand length (20-mer) results in higher ligand density and higher dynamic binding capacity

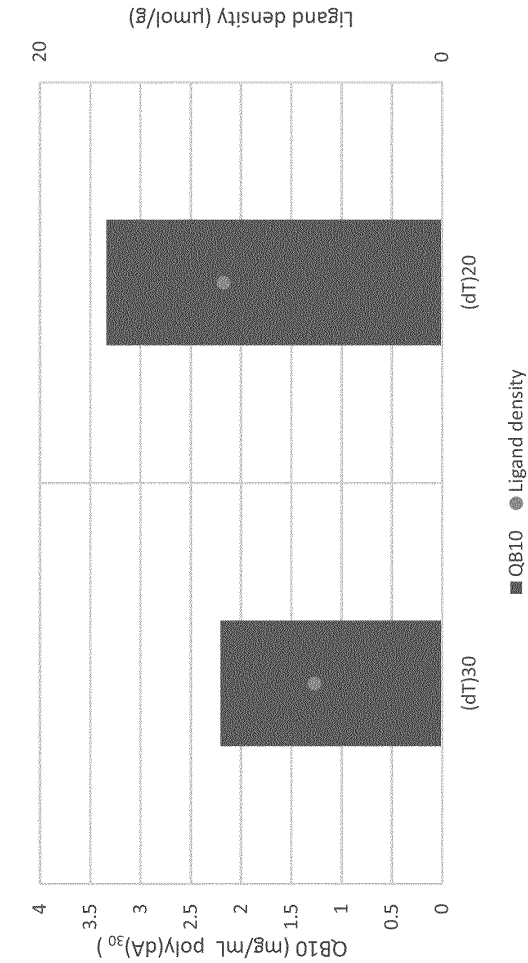


Fig 4: C12 linker results in higher dynamic binding capacity than C6 linker.

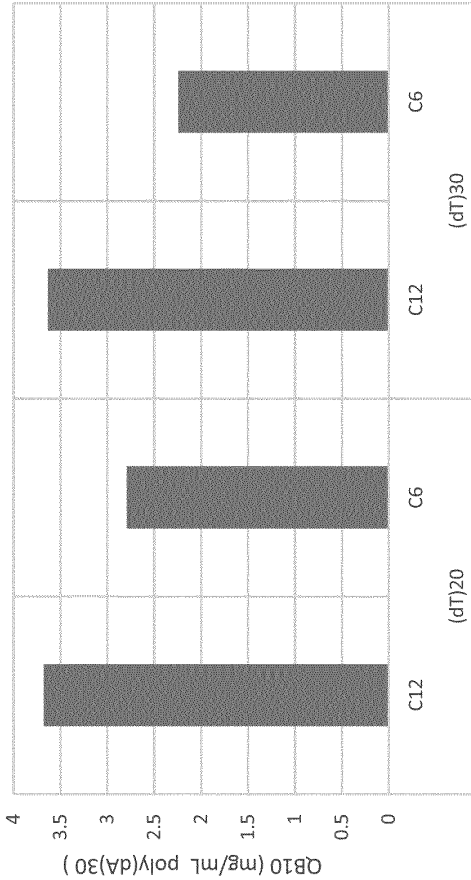
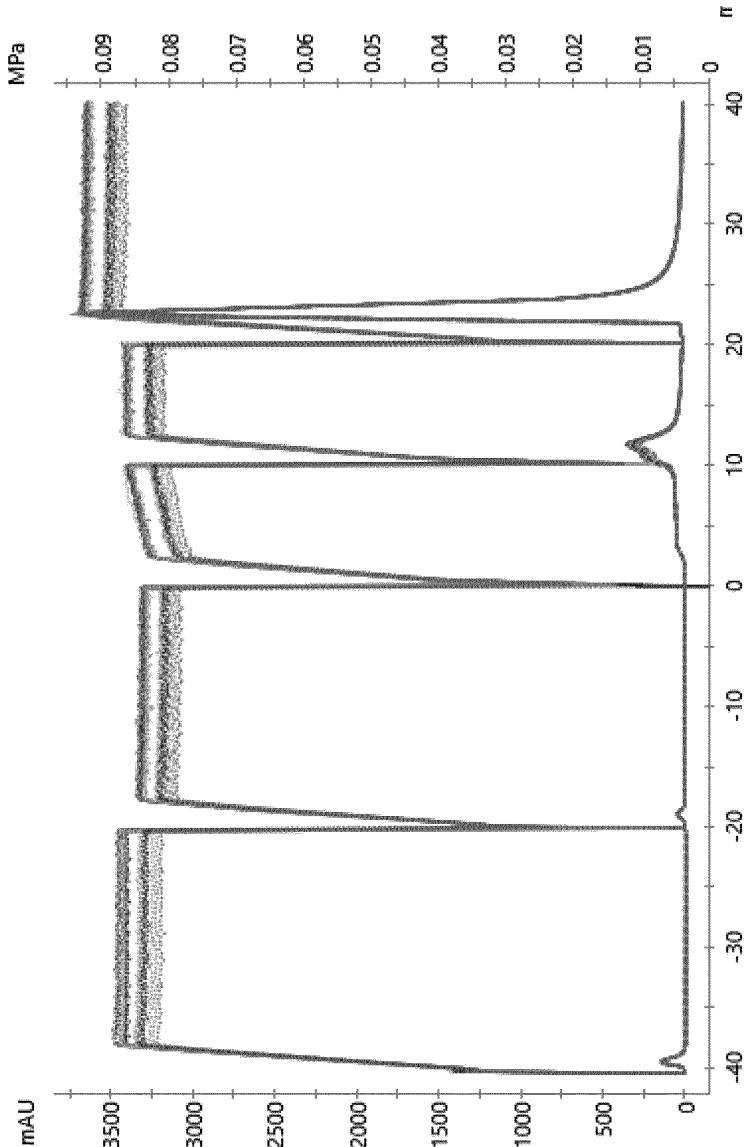


Fig 5: Pressure profile over 10 consecutive cycles without CIP.



20211208Fibro20PEEK_Fluc600ugmlNaCl300mM30s 001

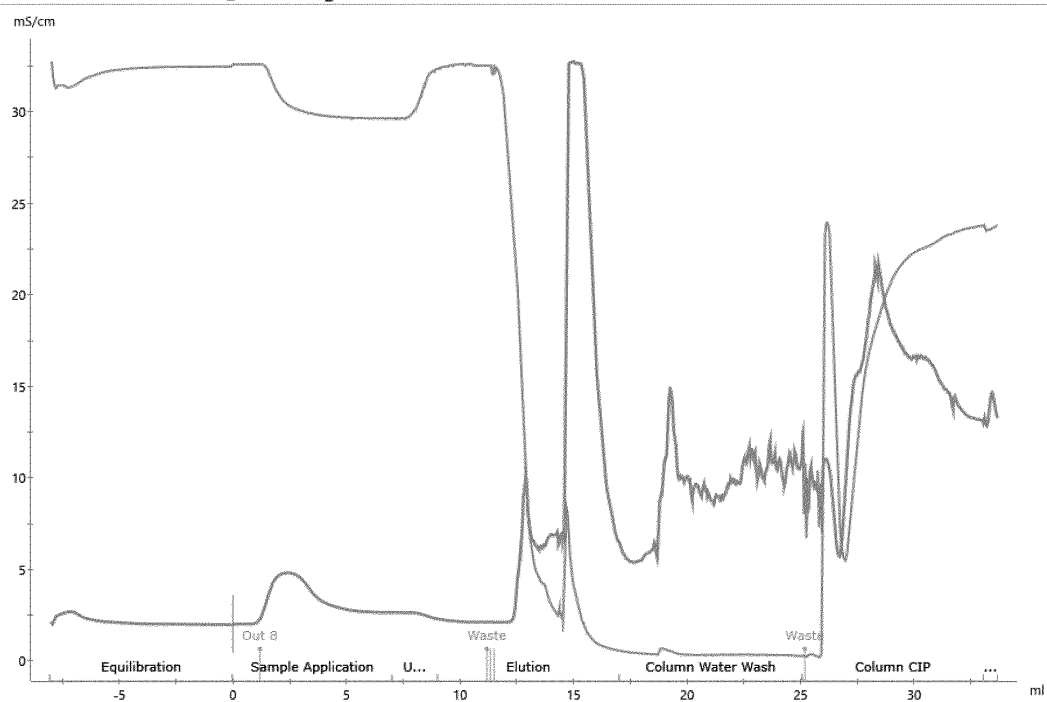


Figure 6 A

20211209FibrodT20PEEK_Fluc300ugmlNaCl300mM30s 001

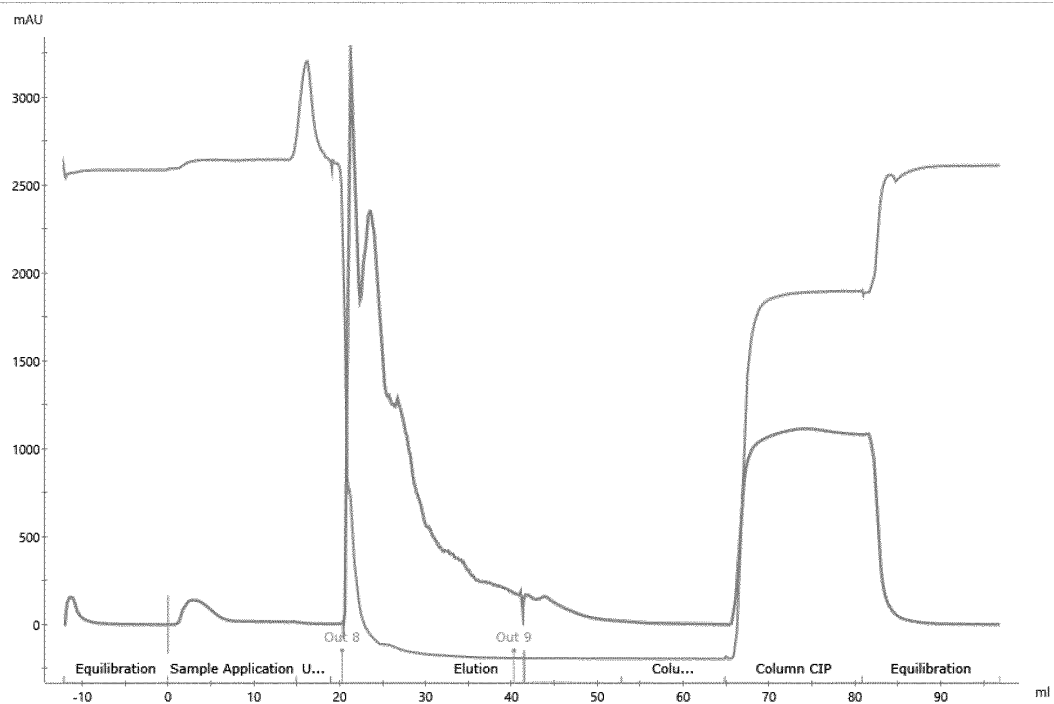


Figure 6B

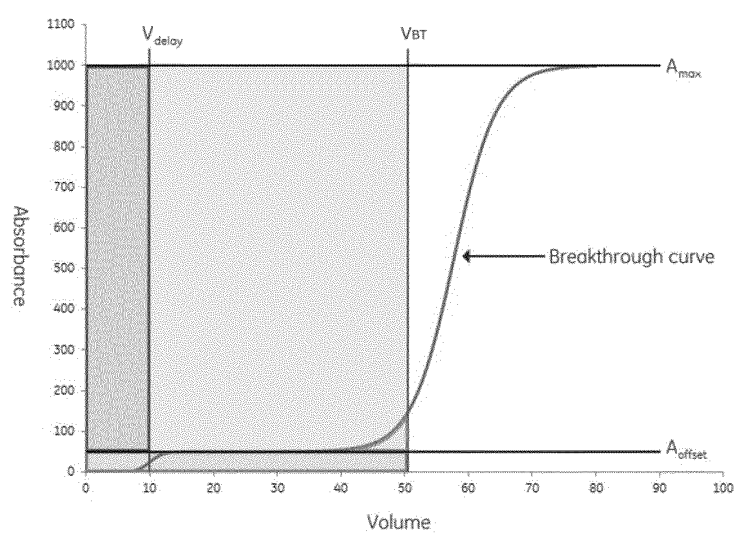


Figure 7