

Figure 1B

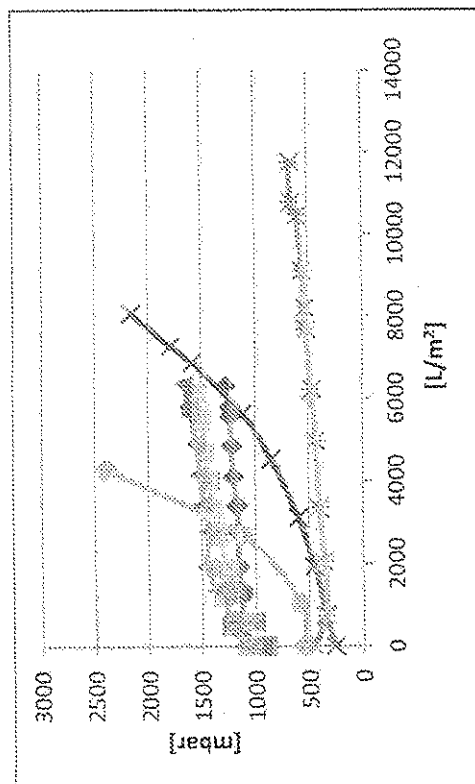


Figure 1A

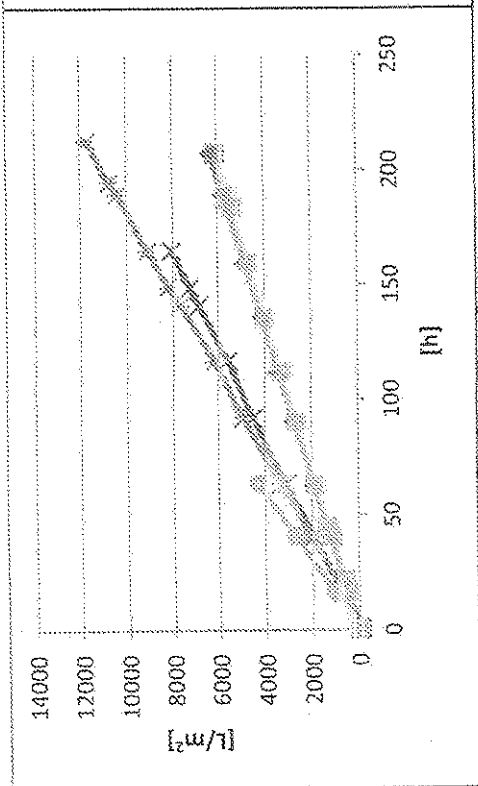
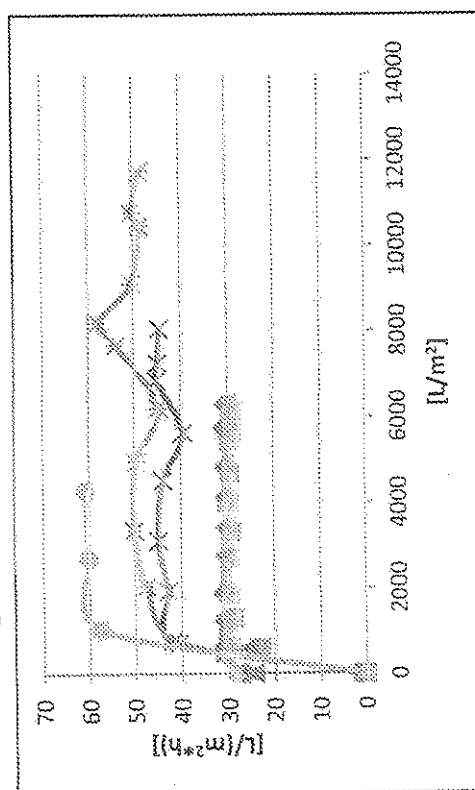


Figure 1C



- Filter A Soy hydrolysate 1
- Filter A Soy hydrolysate 2
- Filter A Soy hydrolysate 3
- Filter B Soy hydrolysate 1
- Filter B Soy hydrolysate 2
- Filter B Soy hydrolysate 3

Figure 2B

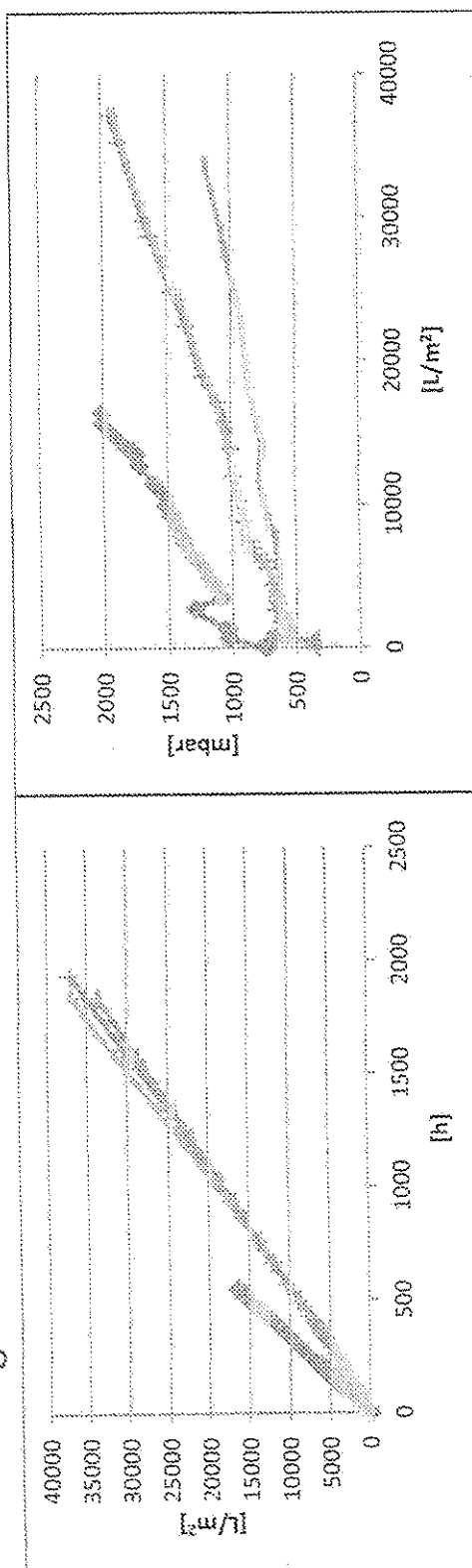
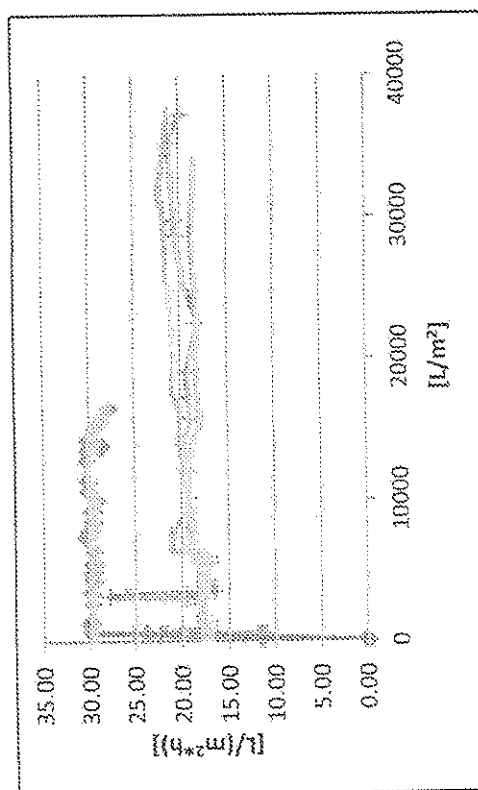
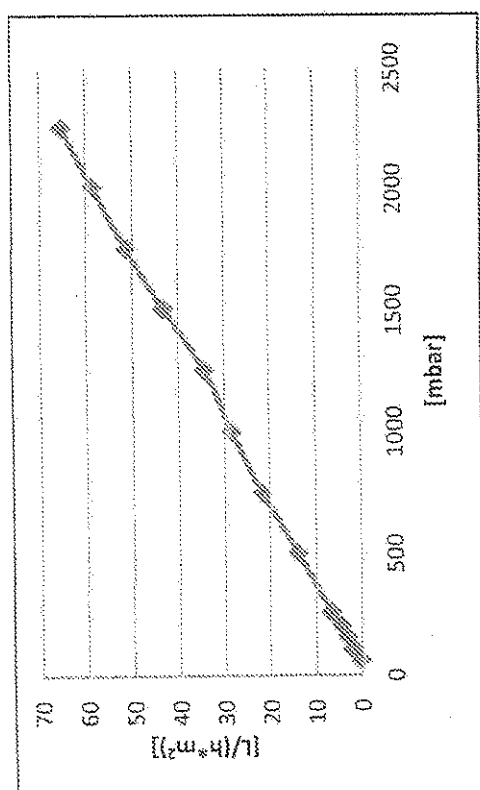


Figure 2C



- Filter D Peptone 1
- Filter D Peptone 2
- Filter D Peptone 3
- Filter A Peptone 3

Figure 3



Filter A Soy hydrolysate 3

Figure 4B

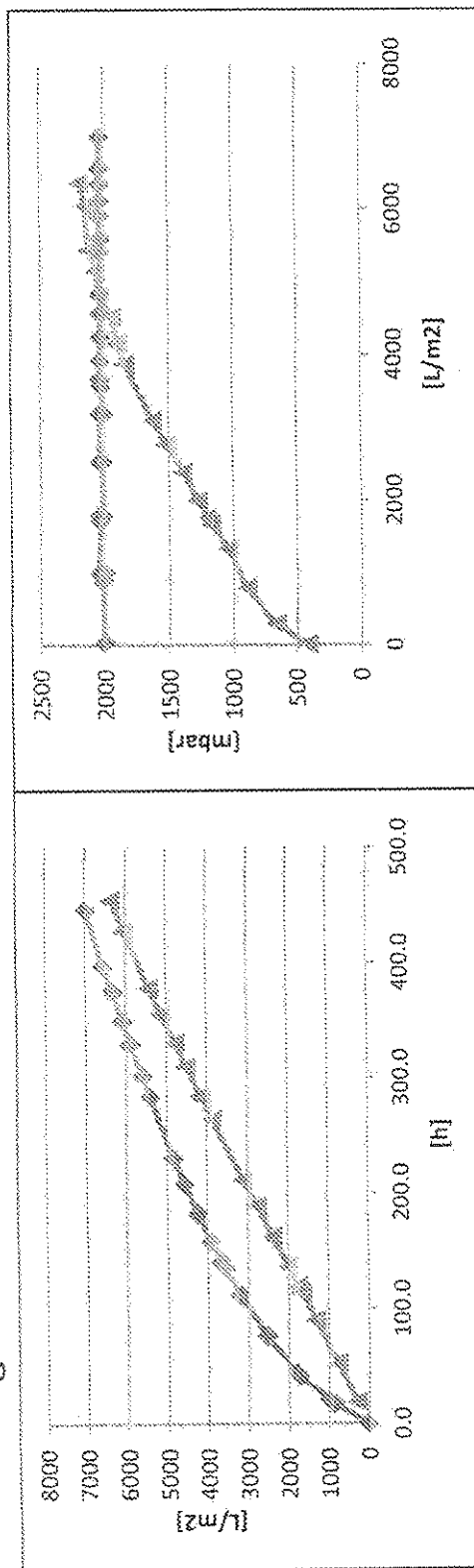
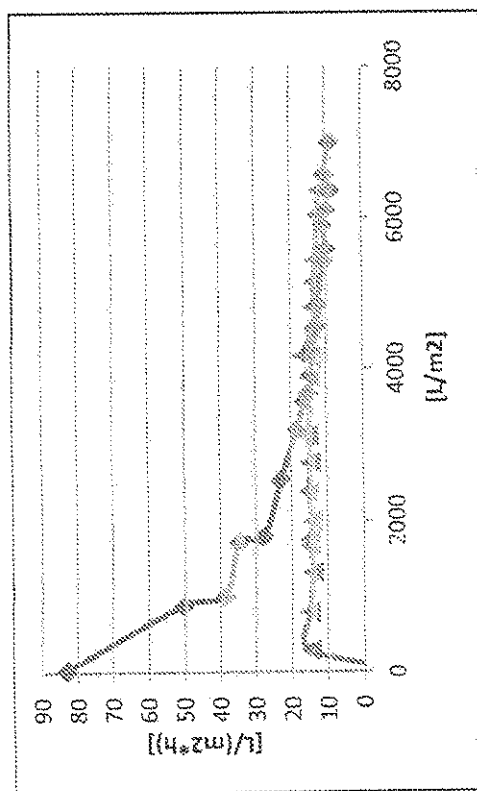


Figure 4C



Filter A Soy hydrolysate 5
pressure controlled

Filter A Soy hydrolysate 5
flow rate controlled

Figure 5B

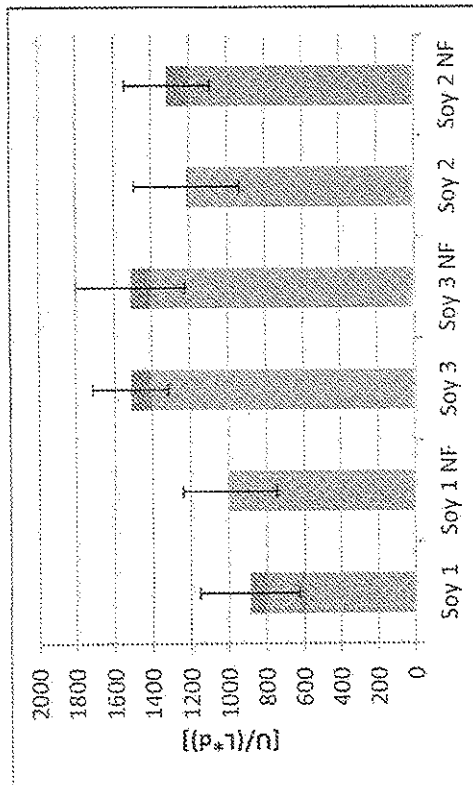


Figure 5A

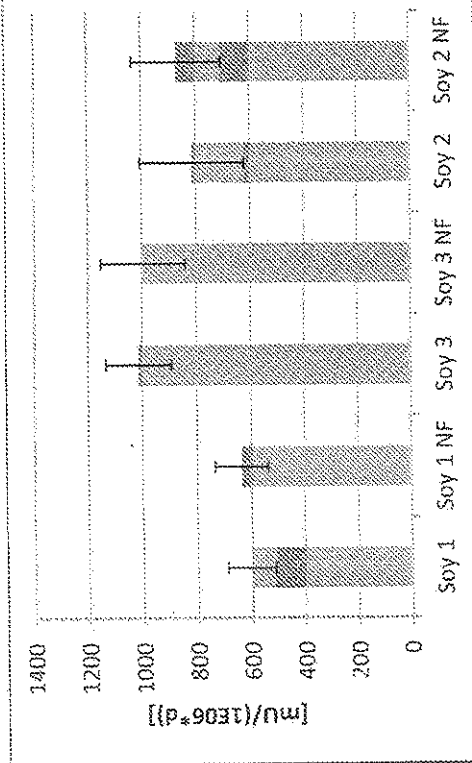


Figure 5C

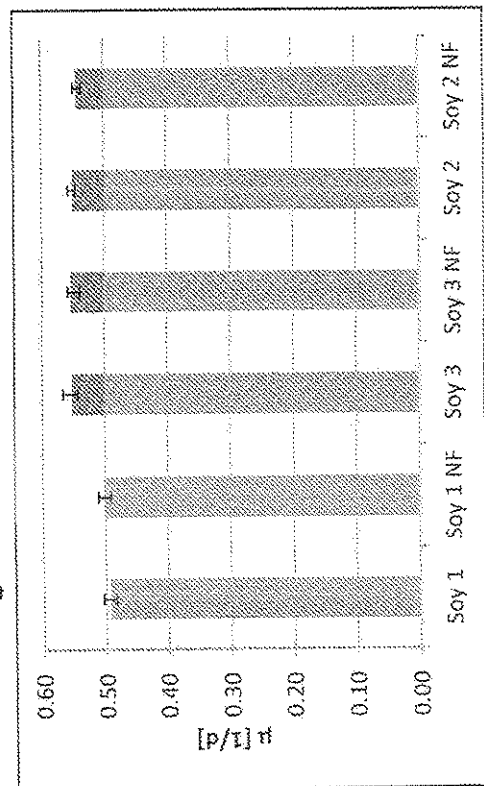


Figure 6A

	Time of use (d)	Volume Virus Filtered sum [L]	Volumetric Capacity [L/m2]	Filter Type
Int 1	7	457	2284	E
Int 2	9	605	7117	F
Int 3	7	443	2213	E
Int 4	9	636	7482	F
Int 5	24	1492	7459	E

Figure 6B

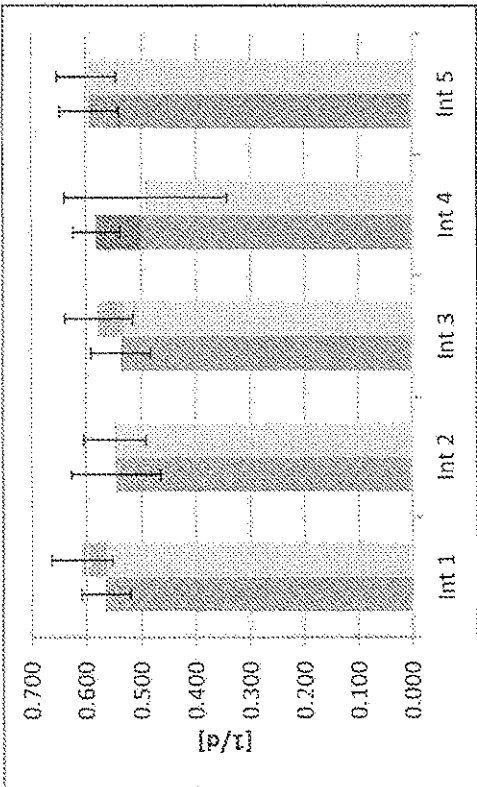
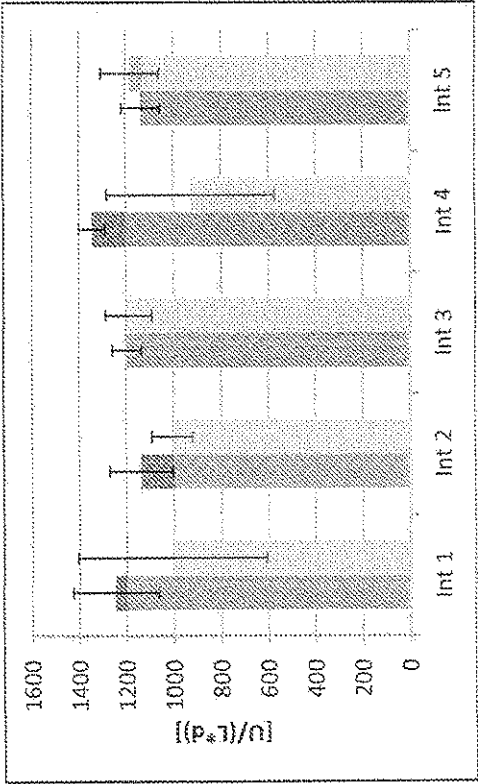


Figure 6C



■ Nanofiltered Medium
■ Reference

Figure 7

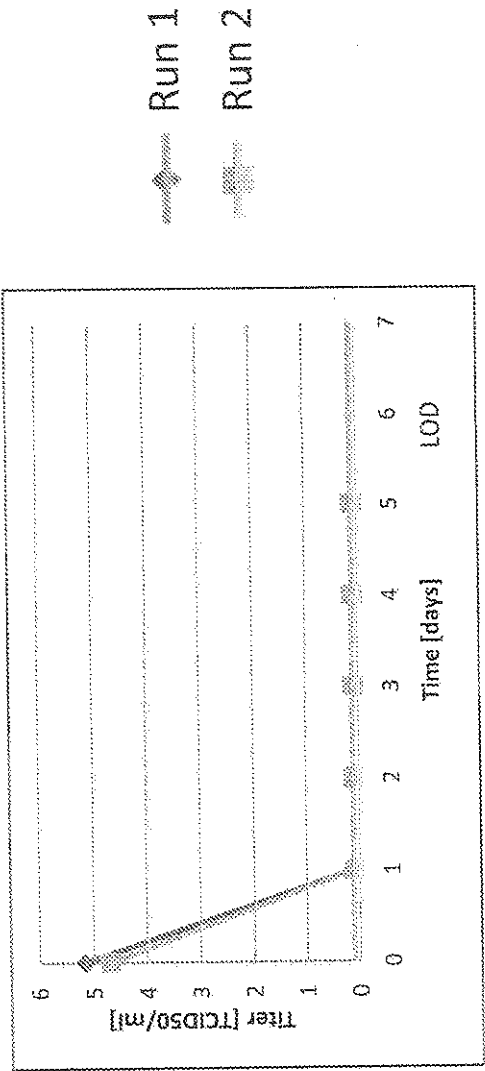


Figure 8

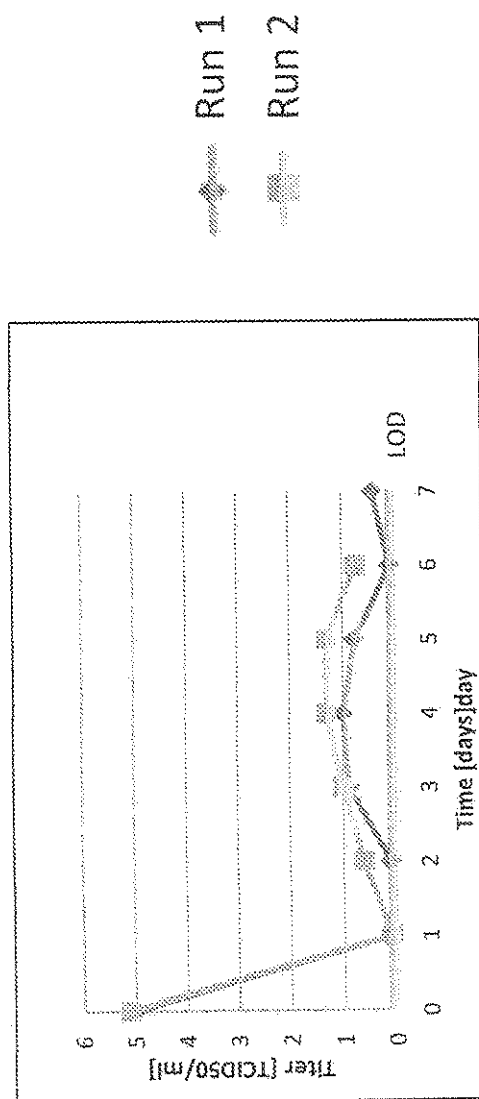


Figure 9

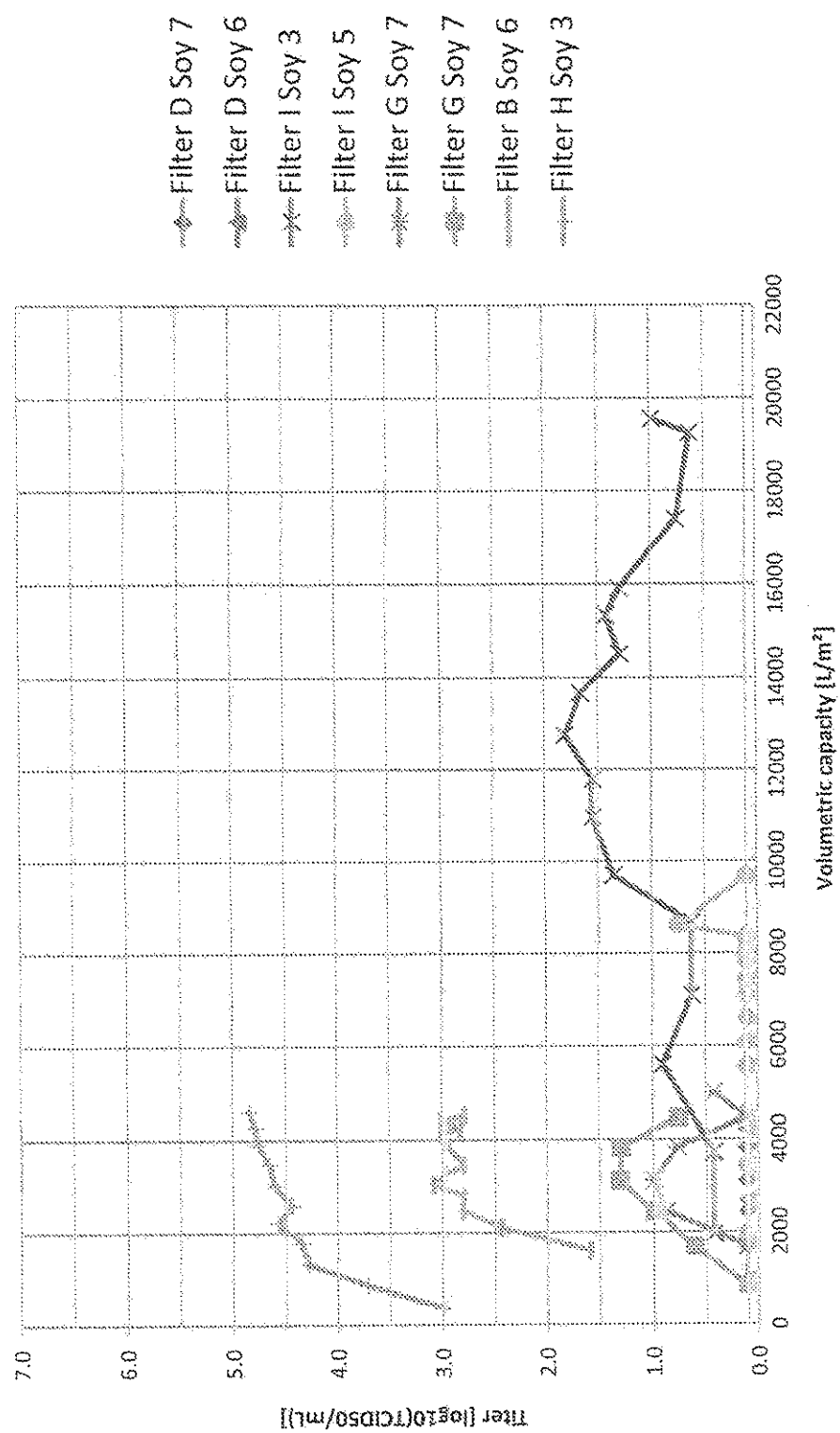


Figure 10

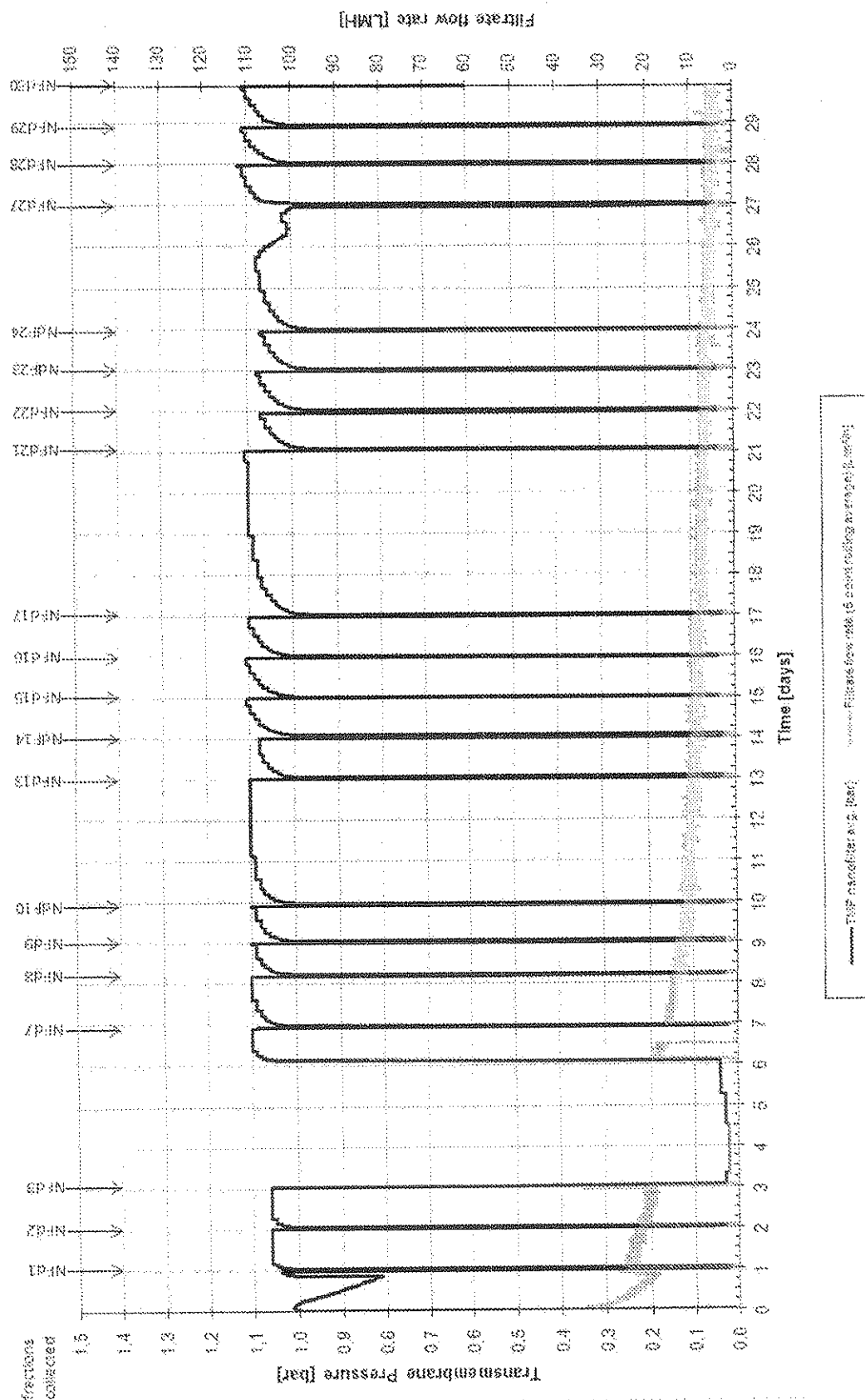


Figure 11

Spiked Material	Feed Volume [mL]	MMV Titer [log ₁₀ (TCID ₅₀ /mL)]	MMV Load [log ₁₀ (TCID ₅₀)]
NF day 1	3,270	5.0	8.5
NF day 2	287	< -0.8	< 1.7
NF day 3	272	< -0.8	< 1.6
NF day 7	246	< -0.8	< 1.6
NF day 8	330	< 0.3	< 2.8
NF day 9	216	< -0.8	< 1.5
NF day 10	118	< -0.8	< 1.3
NF day 13	121	< -0.8	< 1.3
NF day 14	368	< -0.8	< 1.8
NF day 15	106	< -0.8	< 1.2
NF day 16	98	< -0.8	< 1.2
NF day 17	99	< -0.8	< 1.2
NF day 21	96	< -0.8	< 1.2
NF day 22	354	< -0.8	< 1.7
NF day 23	69	< -0.8	< 1.0
NF day 24	74	< -0.8	< 1.1
NF day 27	67	< -0.8	< 1.0
NF day 28	194	< -0.8	< 1.5
NF day 29	57	< -0.8	< 1.0
NF day 30	49	< -0.8	< 0.9
NF day 30	52	< -0.8	< 0.9
Total Filtered Volume	3,270		< 3.0
L/m ²	6,540		
RF			> 5.5 log ₁₀