FIG. 1A



FIG. 1B

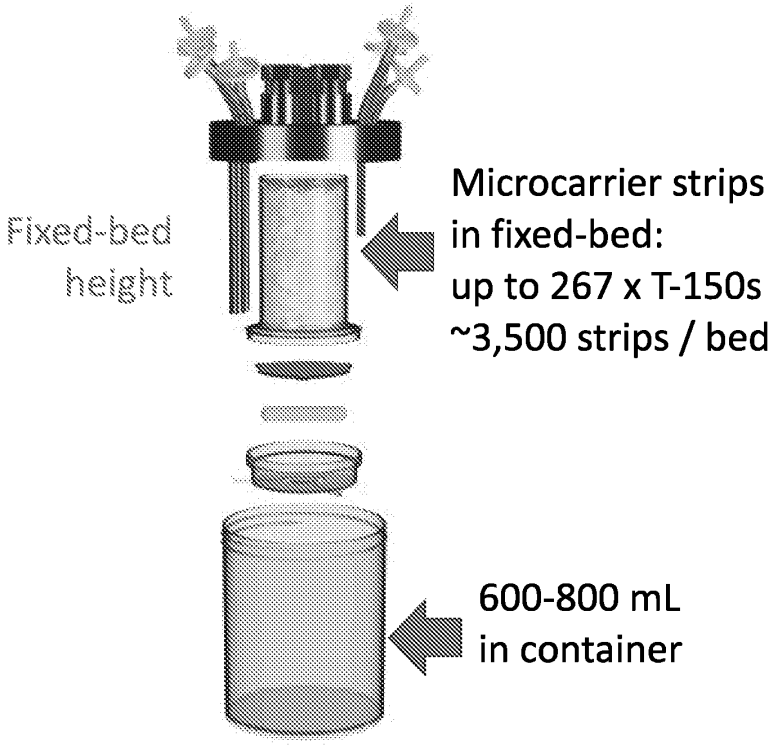
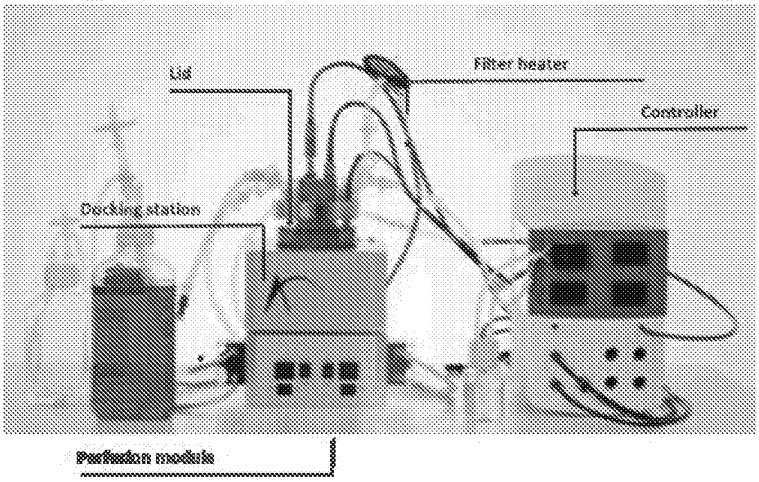

Fixed-bed
height
Microcarrier strips
in fixed-bed:
up to 267 x T-150s
~3,500 strips / bed
600-800 mL
in container

FIG. 1C



Sensors:
- pH
- temperature
- Dissolved oxygen
- Biomass

Ports:
- O_2 N_2 CO_2 Air
- Media exchange
- NaOH
- Recirculation loop

FIG. 2



Plate	Titer (pfu/mL)	Total harvest (mL)	Total Virus (pfu)
VSV-iCELLis Run 1	4.12E+07	800	3.29E+10

FIG. 3

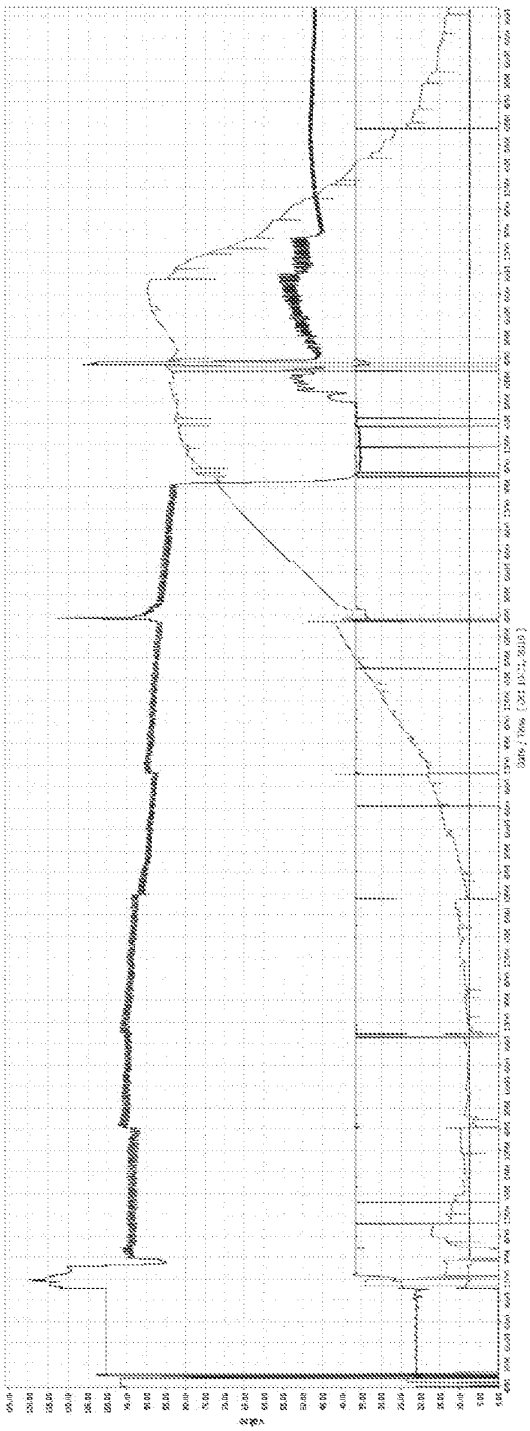
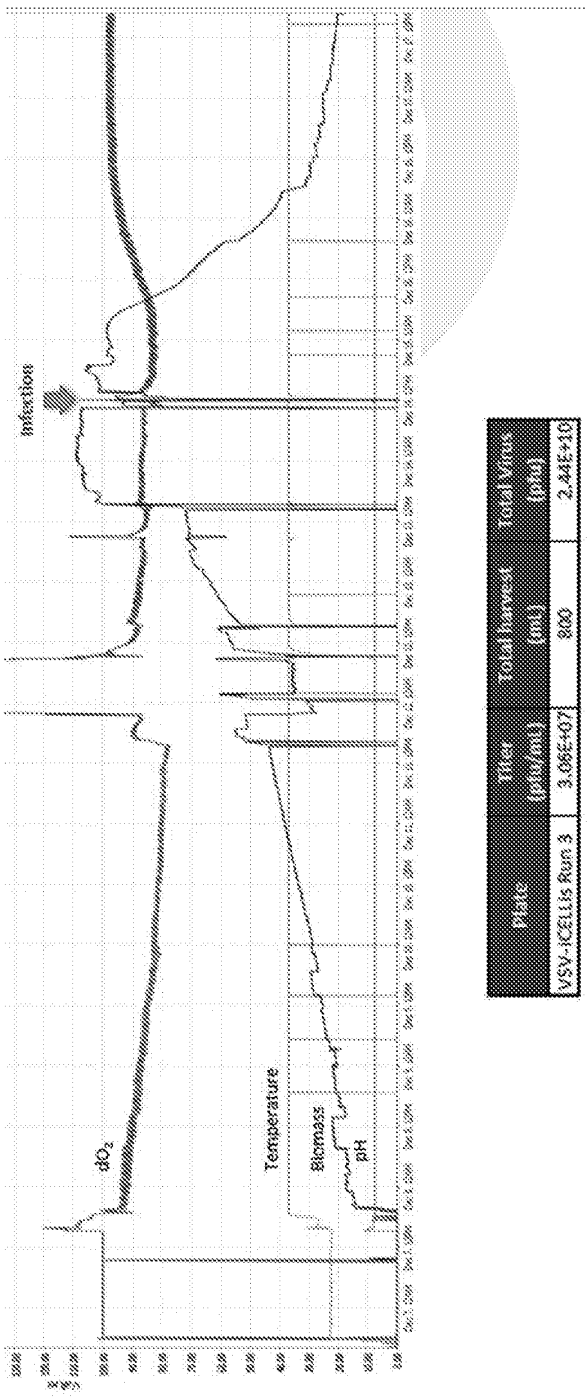


Plate	Titer (pfU/mL)	Total harvest (mL)	Total Virus (pfU)
VSV-iCELLis Run 2*	2.45E+08	800	1.96E+11

FIG. 4


Infection
dO2
Temperature
Biomass
pH
Plate
VSV-hCELLiS Run 3
Titer (pfu/mL)
3.06E+07
Total Harvest (mL)
800
Total Virus (pfu)
2.44E+10