What is claimed is:

1. A process of growing adherent cells in a multiparallel bioreactor comprising:

seeding the adherent cells on a carrier held in a first vessel;

transferring the adherent cells on the carrier to a second vessel of the multiparallel bioreactor;

growing the adherent cells in the second vessel while agitating the media at an impeller speed between 200 rpm to a 1200 rpm.

2. The process of claim 1, wherein the carrier is a PET strip.

3. The process of claim 1 or 2, wherein the first vessel is a 6-well plate.

4. The process of any one of claims 1-3, further comprising:

harvesting the adherent cells 3-10 days after the transfer of the adherent cells on the carrier to the second vessel of the multiparallel bioreactor.

5. The process of any one of claims 1-4, further comprising:

infecting the adherent cells on the carrier with at least one virus or virus particles;

incubating the adherent cells on carrier with the virus; and

harvesting the virus.

6. The process of any one of claims 1-5, further comprising:

treating the cell with at least one vector that produces a biological agent;

incubating the adherent cells on carrier with vector;

harvesting the biological agent.

7. The process of claim 6, wherein the vector is a viral vector selected from a group of a modified vaccinia virus Ankara (MVA), Vascular Stomatitis Virus (VSV), adeno-associated virus (AAV), lentivirus, retrovirus, and adenovirus.

8. The process of any one of claims 1-7, wherein the adherent cells are selected from the group consisting of Madin-Darby Canine Kidney Epithelial Cells (MDCK), Madin-Darby Bovine Kidney Epithelial (MDBK) cells, chicken cells or quail cells, PerC6 cells, 3T3 cells, NTCT cells, CHO cells, PK15 cells, MDBK cells, LLC-MK2, MRC5, HEK293, Hela cells, or a combination or modification thereof.

9. The process of any one of claims 1-8, wherein, the adherent cells are Vero cells.

10. The process of any one of claims 1-8, wherein the adherent cells are HEK293 cells.

11. The process of any one of claims 1-10, wherein the impeller speed ranges from 300 rpm to 1000 rpm.

12. The process of claim 11, wherein the impeller speed is 300 rpm.

13. The process of claim 2, where the growth area of PET strips ranges from 10 cm^2 to 15 cm^2.

14. The process of claim 13, where the growth area of PET strips is 13.9 cm^2.

15. The process of claim 2, wherein the PET strips are made of interwoven fibers.

16. The process of any one of claims 1-15, wherein the adherent cells are grown in a close loop manufacturing system.

17. The process of any one of claims 1-16, wherein the multiparallel bioreactor has at least two containment boxes.

18. The process of any one of claims 1-17, wherein the multiparallel bioreactor has 24 containment boxes.

19. The process of any one of claims 1-18, wherein the multiparallel bioreactor is selected from a group including the AMBR 15, AMBR 250, Solida Biotech parallel bioreactor, and xCubio bioreactor.

20. The process of any one of claims 1-19, wherein the process is used to perform DOE studies or small-scale bioreactor campaigns for production process optimization.

21. The process in claim 20, wherein the production processes optimized are cell propagation, virus production, antibody production.