What is claimed is:

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

Seeding the adherent cells on a carrier held in a culture dish;

Transferring the adherent cells on the carrier to a containment box of the multiparallel bioreactor;

Growing the adherent cells at a containment box while agitating the media at an impeller speed between 200 rpm to a 1200 rpm.

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

3. A process of claim 1 or 2, wherein the culture dish is a 6-well plate.

4. A process of optimizing cell growth of adherent cells in a containment box of a multiparallel bioreactor in claim 1 or 2 further comprising:

Harvesting the adherent cells 3-10 days after the transfer of the adherent cells on the carrier to the containment box of the multiparallel bioreactor.

5. A process of growing adherent cells in a containment box of a multiparallel bioreactor in claim 1 or 2 further comprising:

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

Incubating the adherent cells on the carrier with the virus; and

Harvesting the virus.

6. A process of growing adherent cells in a containment box of a multiparallel bioreactor in claim 1 or 2 further comprising:

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

Incubating the adherent cells on the carrier with vector;

Harvesting the biological agent.

8. A 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.

9. The process of claims 1, 2, 3, 4, and 5 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, MRC-5, HEK293, Hela cells, or a combination or modification thereof.

10. The process of claims 1-9, wherein the adherent cells are Vero cells.

11. The process of claims 1-9, wherein the adherent cells are HEK293 cells.

12. The process of claim 1, wherein the impeller speed ranges from 300 rpm to 1000 rpm.

13. The process of claim 1 or claim 12, wherein the impeller speed is 300 rpm.

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

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

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

17. The process in claims 1-17, wherein the adherent cells are grown in a close loop manufacturing system.

18. The process in claims 1-17, wherein the multiparallel bioreactor has at least two containment boxes.

19. The process in claims 1-18, wherein the multiparallel bioreactor has 24 containment boxes.

20. The process in claim 1-16, wherein the multiparallel bioreactor is selected from a group including the AMBR 15, AMBR 250, Solida Biotech parallel bioreactor, and xCubio bioreactor.

21. The process in claims 1-16, wherein the process is used to perform DOE studies or small-scale bioreactor campaigns for production process optimization.

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