Protocol for Passaging Suspension Cells

Subculture cells when they are in log-phase growth. The recommended density of different cells before passaging is also different.

1) When the cells are in log-phase growth and ready for passaging, take a sample for counting the number of cells. If cells have settled down before taking the sample, swirl the flask to distribute the cells evenly.
2) Determine the total number of cells and percent viability.
3) Calculate the volume of medium that needed for diluting the cells to seeding density to add to dilute the culture down to the recommended seeding density.
4) Add the appropriate volume of pre-warmed growth medium into the culture flasks, then place the cells to the incubator.
5) Loosen the caps of the culture flasks to allow for proper gas exchange unless vented flasks with gas-permeable caps are used and return the flasks to the incubator.

   [Note]: To minimize the accumulation of cell debris and metabolic waste by-products in cultures, gently centrifuge the cell suspension at 500 × g for 5 to 10 minutes, and resuspend the cell pellet in fresh growth medium once every three weeks (or as needed).