Roller Bottle Technical Guide

Typically cells are seeded at 1 x 10^3 – 1 x 10^5 cells/cm^2. During the first 24 – 48hrs while the cells are adhering, use a rotation speed of 0.5 – 1.0rpm. For cells with lower adhesion, try 0.3-0.5rpm. These recommendations are for broad applications, please optimize for different cell lines.

To harvest, rinse the bottle twice with PBS, then use a dissociation solution such as trypsin. Add enough trypsin to cover the entire length and pleats of the bottle. Return the bottle to the incubator and rotate at 0.3 – 0.5rpm for 5 – 10 minutes. After dissociation, add a volume of cell culture medium equal to the volume of trypsin, then rotate the bottle to collect all of the cell suspension, and then either pour out the cells or pipette out.

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