



Running of a turbidostat is technically more complicated and demanding in comparison to chemostat.

Supply nutrient medium at a constant rate
 Forced aeration and mechanical stirring to ensure optimal oxygen supply and equal distribution of nutrient throughout culture.

Let Volume of culture vessel is V , litre.

Rate of medium supply (f) = (l/h)

Then dilution rate is $D = f/V = \text{Volume change per hr}$
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Initial no. of Bact. cells $x = g/l$ were unable to grow. They would be washed out of culture vessel with a wash out rate.

$$D \cdot x = \frac{dx}{dt}$$