

BIOREACTOR ENGINEERING

Chapter 4

Operation Considerations for Bioreactor

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Exercise 1

Compare between batch and continuous modes by completing the table below.

Factors	Batch	Continuous
Productivity (rate of product per time per volume)		
Flexibility		
Controlled constant environment condition		
Genetic stability (maintaining the organism with the desired characteristics)		
Operability		
Sterility (maintaining a sterile system)		
Which type is more efficient?		
Which type is more common?		

