

Summary

A fermentor is a specially designed vessel which is built to support the growth of high concentration of microorganisms. It must be so designed that it is able to provide the optimum environments or conditions that will allow supporting the growth of the microorganisms. From the above studies it is observed that various fermentor configurations affect the production rate of fermentation. Various factors like vessel shape, agitation, aeration, baffles, types, media etc. play major role in productivity.

There is no fermentor which can satisfy all the conditions but availability of disposable fermentor may contribute to increase productivity as well as ease of fermentation process. There are other so many new novel approaches are developed to increase productivity of spargers, agitators as well as various controlling probes in order to improve productivity of bioreactor.