

PROCESS INTENSIFICATION IN BIOMANUFACTURING DRIVEN BY ADVANCES IN SINGLE USE TECHNOLOGIES

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Single use technologies now represent the state of the art in biomanufacturing, but still the full potential of a broad application has not been tapped yet. One strategy that captures most of disposable benefits is process intensification. Here single use systems are optimized to achieve similar output levels as traditional stainless-steel facilities but at much lower capital expenditure, smaller footprints and faster implementation times. This presentation gives an overview on current approaches, describes the opportunities and limits of disposables and delivers recommendations to what should be done by suppliers and users in the near future.