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Clarification of cell culture broth using single use disposable BioSettlers

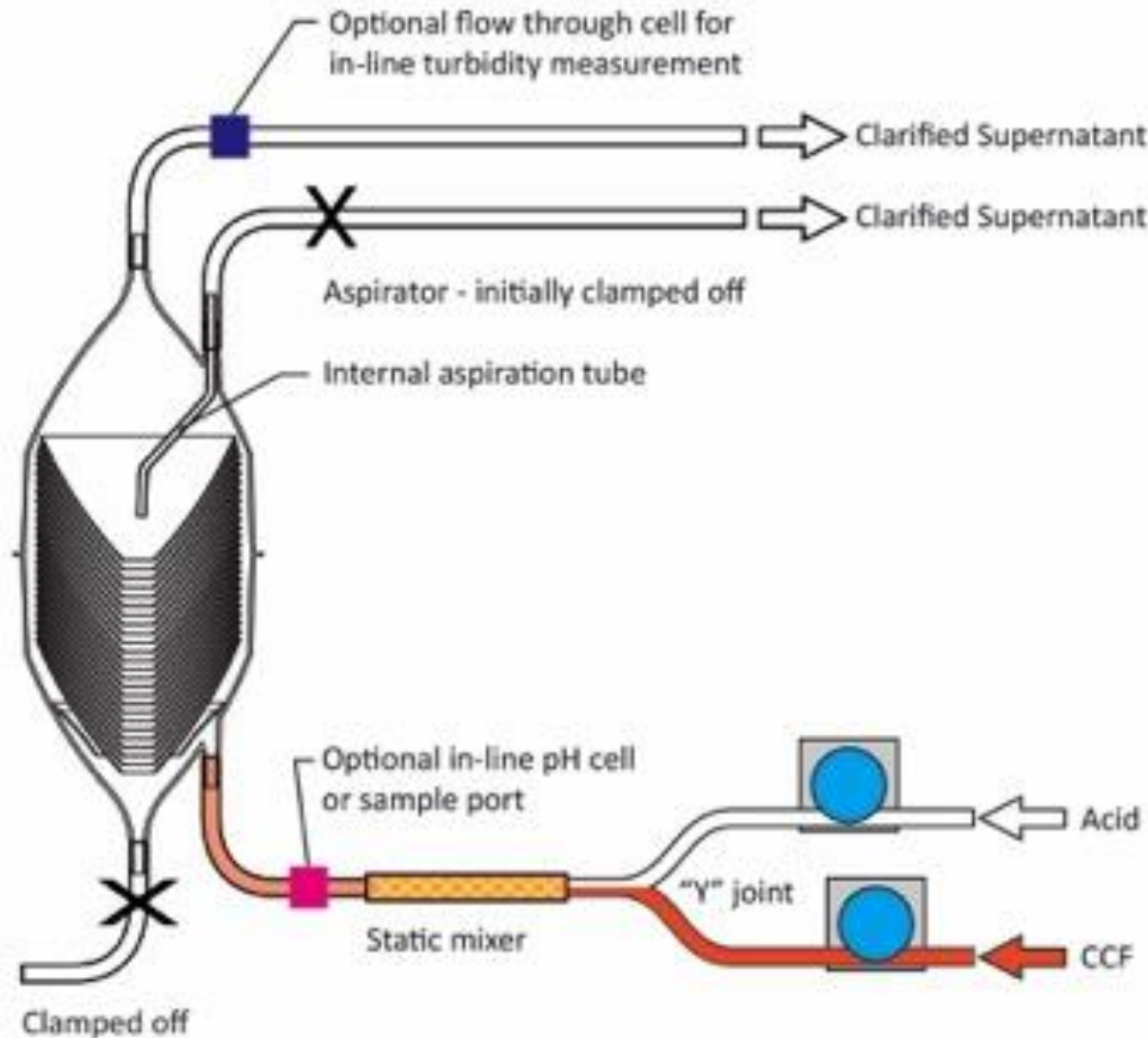
Dhinakar Kompala

Christopher Glascock

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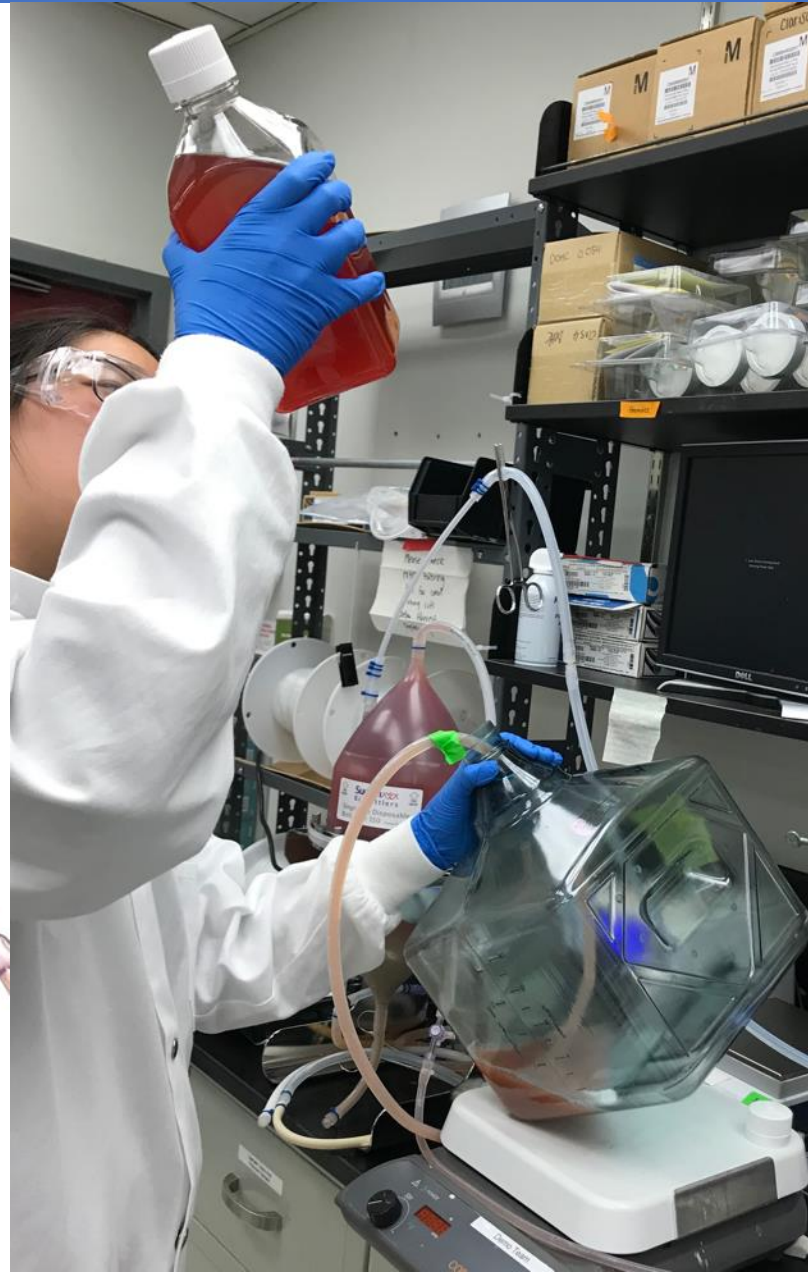
CLARIFICATION OF CELL CULTURE BROTH USING SINGLE USE DISPOSABLE BIOSETTLERS

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Photographs from the First Successful Clarification Experiment at another company's PD Lab

Continuous Clarification



Pumping out remaining supernatant



Sudhin BioSettlers – Scale up or down & easier aspiration options

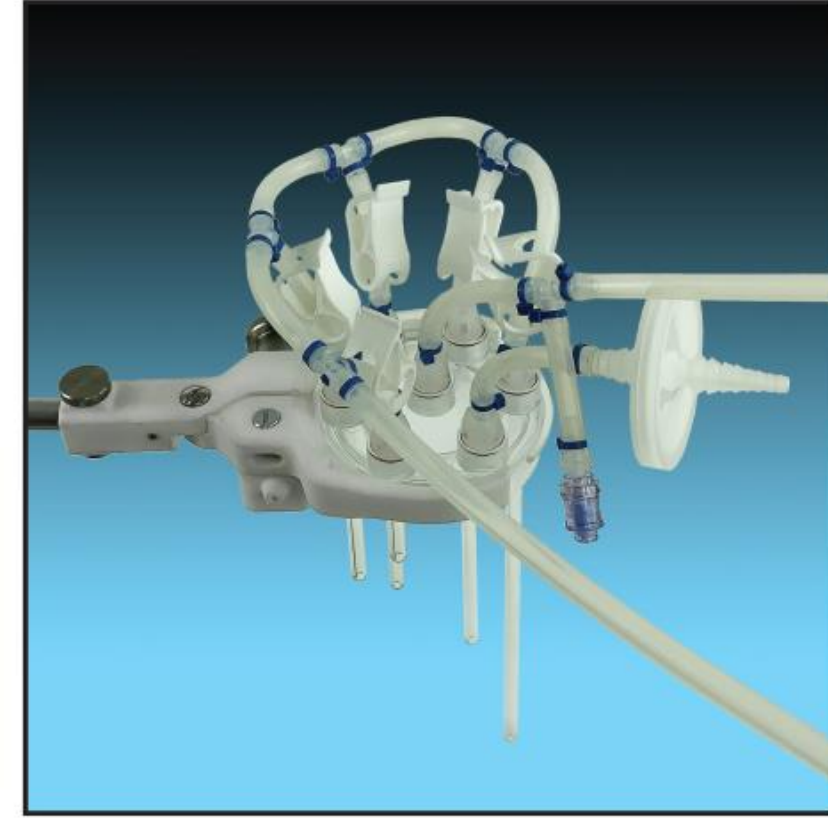
BioSettlers have been scaled up or down to a variety of sizes, at diameters of 75mm, 150mm, or 300mm and different heights resulting in internal liquid volumes ranging from about 250ml up to 24L



75mm BioSettlers



BioSettler 75 Top Cap



BioSettler 75 Top Cap

Top cap of new BioSettlers can be configured with a **single central port** for clarified supernatant to exit during continuous or flow through clarification and **with additional peripheral ports**. The remaining clarified supernatant at the end of the process can be pumped out from peripheral ports with inserted tubes of different heights sequentially to maximize the recovery of secreted protein products.