

Optimizing Cell Culture



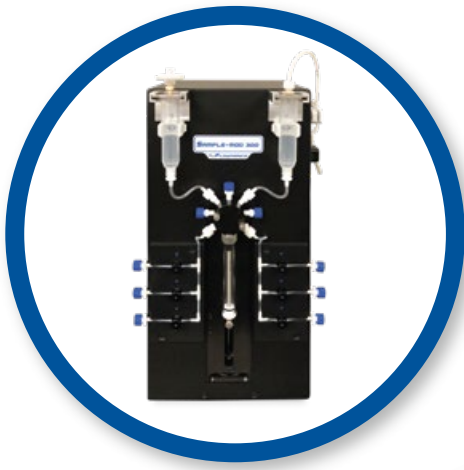
Seg-Flow[®] Automated On-line Sampling System

- Multiple bioprocess monitoring and control solutions to improve process performance
- Rapid and accurate sampling for 2 to 8 vessels and sample delivery to multiple analyzers and/or fraction collectors
- Off-line and at-line analytics seamlessly integrated into a multi-functional on-line PAT tool
- Enhanced process monitoring and control through export of integrated instrument data
- Feed control options to control 2 pumps / vessel



FlowFraction™

- Multi-rack collection system
- Septum piercing capable
- Peltier or liquid temperature controlled plate rack options
- Sample dilution and reagent addition option available
- Optional washstation for external needle cleaning
- Accommodates a variety of tube and vial sizes
- Sample volumes from 250 µl to 50 ml



Sample-Mod 300

- Delivers samples to 4 devices
- Allows precise sample delivery
- Sample dilution • Microliter precision
- Reagent addition for sample preparation

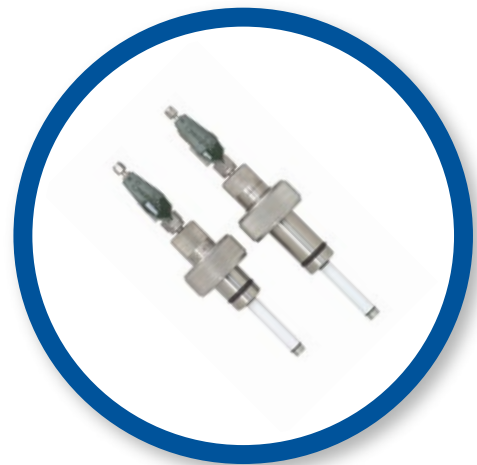


FISP® In-Situ Cell-Free Sample Probe



F-Series

- Available for 12, 19, and 25mm ports used in PD to production
- GMP Validated
- Very low dead volume
- 12mm immersion depths: 120, 200, 310, and 410mm



D-Series

- 25mm immersion lengths: 90 and 115mm
- Compatible with Kleenpak™ connectors
- Can be used with SUBs
- 0.2 µm membrane (custom pore sizes available)