

Preparative Membrane Ultrafiltration System

Description

Sartorius SartoFlow Advanced ([More details](#))

Location

Rm510A, Biotech Centre 1

Features

- Bench top Crossflow system optimized for ultrafiltration, microfiltration and diafiltration applications used in many downstream biologics preparation processes, such as purification of vaccines, monoclonal antibodies and recombinant proteins.
- Suitable for process development and clinical trials as well as for small-scale production batches.



DUC Controller with touch screen

- 12" touch panel with split screen for maximum process control.
- Semi-automatic guided process sequences with real time result display.

Recirculation tank

- 10 L stainless steel tank with sight glass.
- Optional single use crossflow bags (5 L, 10 L or 20 L).

Pressure control and retentate flow meter

- Electronic positioning valve for constant retentate pressure control.
- Magnetic-inductive flow meter with range from 10 – 1,000 L per hr.

Recirculation pump

- Powerful 4-piston diaphragm pump (700 L per hr @ 4 bars).
- Optimal for all shear sensitive biopharmaceutical solutions and suspensions.

Peristaltic pump

- Integrated into filtration unit for loading product and buffer as a discrete process
- Flow rate of 2,400 mL/min with 8 mm hose (inner diameter).

Crossflow filter holders and filter cassette

- Linearly scaled up from 0.1 to 2.1 m² of membrane area with the use of corresponding filter holder and filter cassette (adapter for filter cassette from different manufacturers).

Applications

- Purification or concentration of large molecular weight proteins and other macromolecules

Contact

bsc@hkstp.org