

PLANOVA™ S20N Spotlight Vol. 3

for Biopharmaceuticals

Ready for any Challenges - Secure, Simplified, Superior

KEY FEATURE

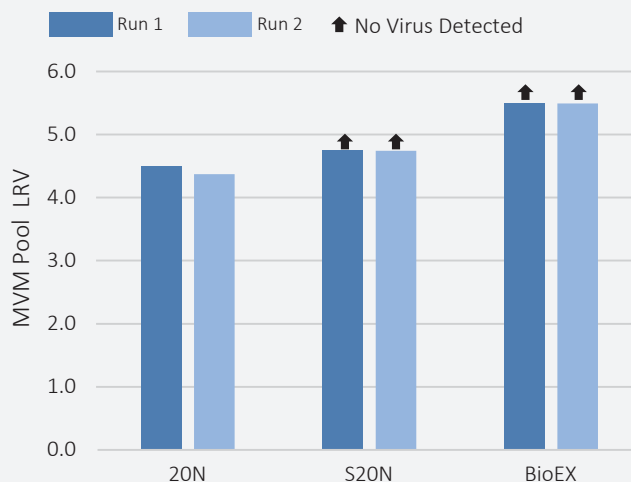
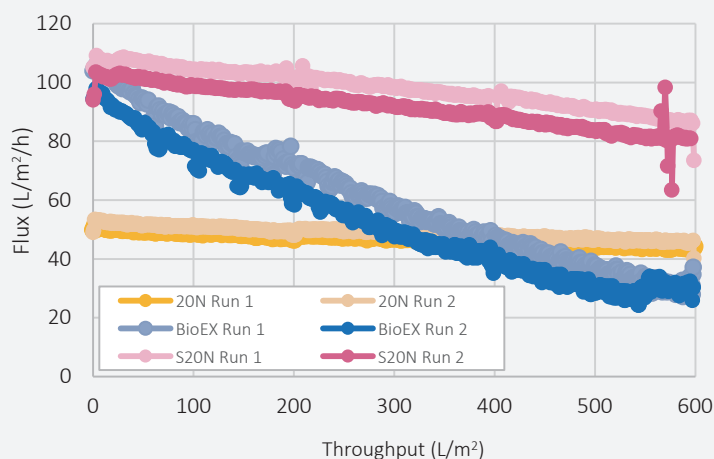
“Secure”

Planova™ S20N is the next generation regenerated cellulose virus removal filter that is ready for any challenges, designed to deliver a peace of mind for unique challenges in your process.



Planova™ S20N provides higher virus removal performance compared to existing Virus Removal Filters

This evaluation compares Planova S20N and other Planova filters (20N and BioEX) with regard to virus removal performance using next generation multi-specific antibody. A process pause of 60 minutes was include in this study. No prefilter was used for all Planova filters.



Load
600 L/m²

Pause
60 min

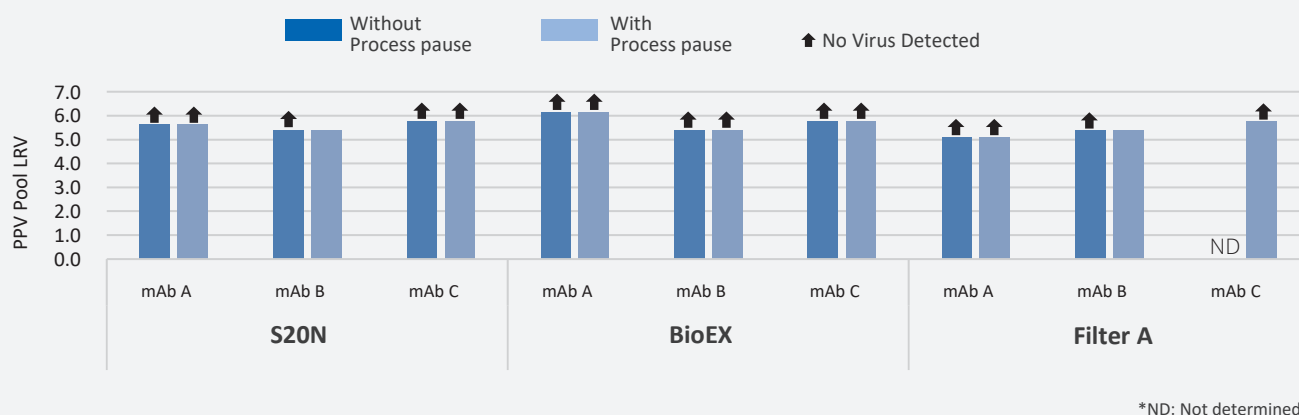
Flush
3-50 L/m²

Filtration Condition

- Virus : MVM
- Filtration Pressure: 20N 83 kPa (12 psi) / S20N 193 kPa (28 psi) / BioEX 241 kPa (35 psi)

Planova™ S20N has demonstrated to be robust against process pause

This evaluation shows virus removal performance with and without process pause for three different mAbs.



Filtration Condition

- Virus: PPV (1×10^6 / mL)
- Concentration: mAb A 5.9 g/L, mAb B 12.1 g/L, mAb C 6.2 g/L
- Filtration Pressure: S20N 196 kPa (28.4 psi) / BioEX 294 kPa (42.6 psi) / Filter A 207 kPa (30 psi)

Without Process pause

Load 100%

With Process pause

Load 80%	Pause 30 min	Load 20%	Pause 30 min	Buffer Flush
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Sean O' Donnell and Jamie Fink, Eli Lilly and Company, Planova Workshop, New York, 2022 (adopted from several slides)

Planova™ S20N Technical Support and Training Service

- » Responsive technical support and training from virus filtration experts
- » Hands-on training with Planova Operators Course (both in-person and virtual)
- » Full support across all phases from process development to manufacturing



From Asahi Kasei Bioprocess

Through innovation and willingness to listen to our customers, we have newly developed the Planova S20N as Planova filters made from regenerated cellulose hollow fiber membranes. Planova S20N shows higher throughput, robust virus removal capability, and stable protein filterability at higher operating pressures. Planova S20N is specifically designed to improve user-friendly operation while achieving stable filtration over a wide range of solution conditions, inherited from Planova 20N. We aim to provide “Assurance Beyond Expectation” to ensure product safety and manufacturing efficiency for therapeutics in the form of innovative yet exceptionally reliable purification consumables, equipment and support services.

PLANOVA™
Assurance Beyond Expectation

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