

PLANNOVA™ FG1

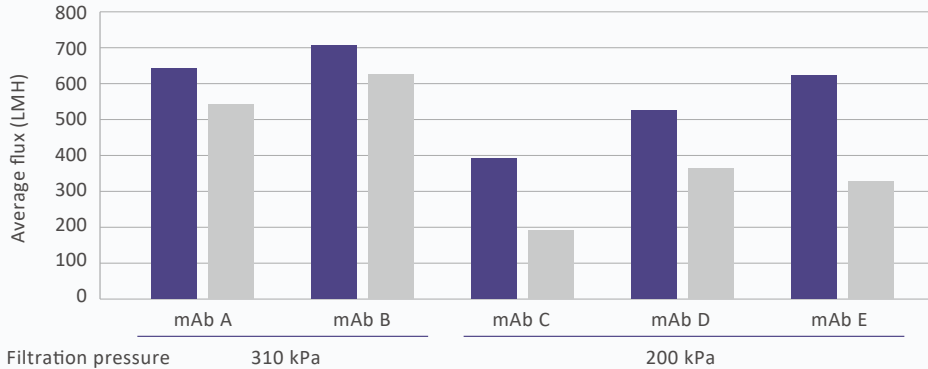
Promise of Unrivaled Performance

Rapid filtration enabling highly efficient processing

Reliable solution for consistent virus removal



Rapid Unrivaled Flux of FG1 confirmed through customer evaluations



FG1 achieved higher average flux compared to Filter A for multiple molecules

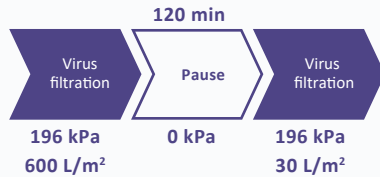
Results showing more than 2x flux of Filter A are also shown

■ FG1 with adsorptive prefilter
■ Filter A with adsorptive prefilter

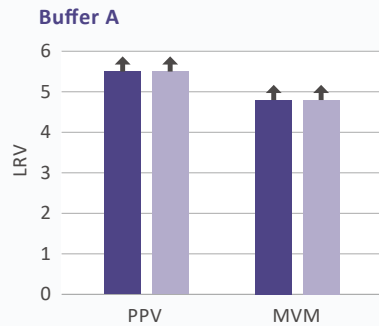
*Results of pre-launch customer evaluations from April 2023-February 2024.

Reliable FG1 delivers Unrivaled Virus Removal Capability

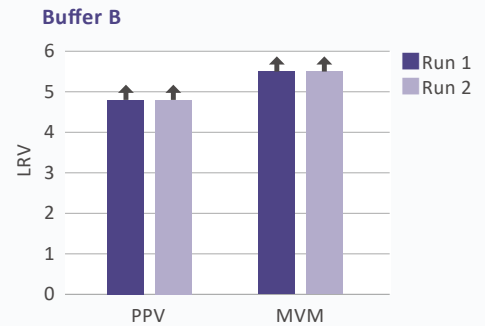
Viral Clearance Study with PPV and MVM spike in mAb at 196 kPa



Filtration condition : mAb, Concentration 10 mg/ml



Buffer A : 50 mM acetate buffer, Conductivity 15 mS/cm, pH 5.0



Buffer B : 50 mM Tris-HCl, Conductivity 5 mS/cm, pH 7.0

Specifications & Operating Ranges		Effective surface area (m ²)		
		0.3	0.003	0.0003
Catalog numbers		FG1-3000	FG1-0030	FG1-0003
Component	Hollow fiber membrane	Hydrophilic modified polyethersulfone		
	Housing and headers	Polyphenylsulfone	Polycarbonate	
	Sealant	Polyurethane		
	Other components	Silicone Polycarbonate Polysulfone Polypropylene	Silicone Polypropylene	
Supplied as		Ready to use (Autoclaved, filled with purified water)		
CIP with NaOH/SIP		Compatible	—	—
Operating pressure (TMP)		≤ 343 kPa (49.7 psi)		
Operating pH		3–9		

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