

BrilliFlow® Disposable Vacuum Filtration Device

High Retention

Low Adsorption

Easy Operation

Gamma Sterilization



⊕ Key Features and Benefits

- Available in 4 sizes: 150 mL/250 mL/500 mL/1000 mL, which can meet the requirements for handling different volumes of samples
- Utilize the latest generation of highly asymmetric pharmaceutical-grade polyethersulfone (PES) sterilizing membrane
- Low adsorption, high flow rate, and high capacity
- The filtration device features high stability
- The screw cap, hose connection, and other parts are ergonomically designed, enabling easy and effortless operation
- The scales are accurate and easy to read
- Individually packaged and subjected to gamma irradiation sterilization
- Free from DNase, RNase, and pyrogen

⊕ Structural Materials

- Upper cup and collection bottle: Polystyrene(PS)
- Vacuum port connector: Acrylonitrile-Butadiene-Styrene copolymer (ABS)
- Bottle cap: Polyethylene(PE)
- Membrane material: Polyethersulfone(PES)
- The above materials all comply with the USP Class VI standard

⊕ Typical Applications

- Cell media filtration
- Buffer filtration
- Protein intermediate filtration
- Filtration of other biological samples and reagents

⊕ Maximum Operating Pressure

- 0.09 Mpa

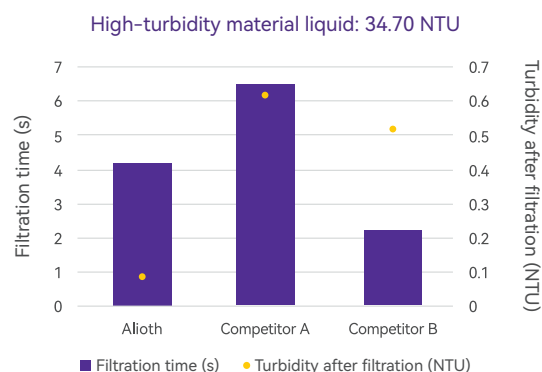
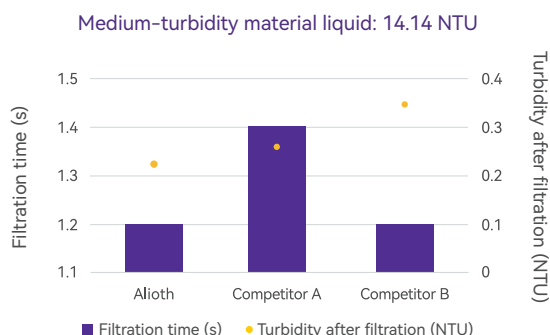
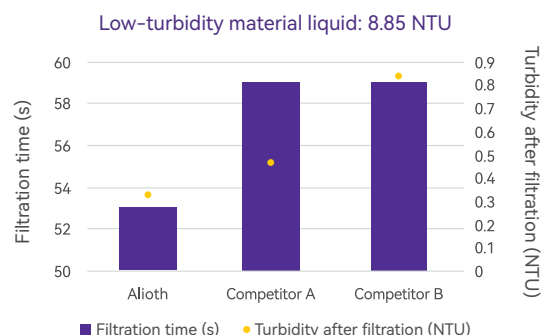
⊕ Product Specifications

Volume (mL)	Filter membrane diameter (mm)	Working volume (mL)	Residual volume (mL)	Maximum operating temperature (°C)
150	50	150	3	45
250	50	250	3	45
500	75	500	3	45
1000	91	1000	3	45

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Filtration Performance Comparison

Alioth BrilliFlow® Disposable Vacuum Filtration Device exhibits superior overall performance in filtering high-, medium-, and low-turbidity materials, with a small residual volume



Filtration Performance Comparison

Parameters	Alioth (500 mL)	Competitor A (500 mL)	Competitor B (500 mL)
Membrane material	PES	PES	PES
Diameter (mm)	75	65	73
Area (cm ²)	44.2	33.2	40
Measured retention volume (mL)	3.21	1.97	4.7

Ordering Information

Format	Pore size	Type
8=Disposable vacuum filtration device (reservoir+filter accessories+ bottle cap)	2=0.2 µm 4=0.45 µm	150=150 mL 250=250 mL 500=500 mL 000=1000 mL

Ordering Information for Accessories

Format	Type	Format	Pore size	Type
BT=Receiver	150=150 mL 250=250 mL 500=500 mL 000=1000 mL	FC=Upper cup of disposable filter	2=0.2 µm 4=0.45 µm	150=150 mL 250=250 mL 500=500 mL 000=1000 mL