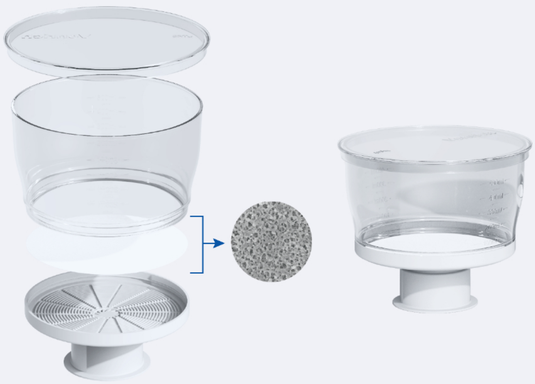
Venrich®

Disposable Bottle Top Vacuumed Filter

We offer a sustainable labware solution that is designed to recycle plastic generated from bio labs. Our innovative idea enables to recycle the plastic waste, to reduce carbon emission and to establish a recyclable ecosystem.

Detail Information



Product Detail

Membrane	Polyethersulfone (PES)
Neck diameter	33mm, 45mm
Volume	250ml, 500mL, 1000mL
Single Membrane Layer	1.0um, 0.45um, 0.2um, 0.1um
Dual Membrane Layer	0.45/1.0, 0.2/1.0, 0.1/1.0um (dual)
Membrane Area	12.56cm² (250ml), 70.84 cm² (500,1000ml)
Structure	Symmetric, Assymetric
Sterile	E-Beam Sterilization
Packaging	Individually wrapped
Qty./Cs	12 / Cs

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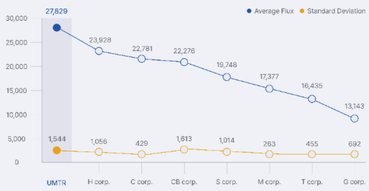
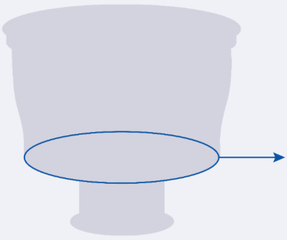
Permeate Flux of Membrane (Single-layered Membrane)



[Tested by FITI qualified test agency]
The test results demonstrate that the filter has the highest flow rate performance in the filtration of ultra-pure water among the various global filters through FITI test agency.

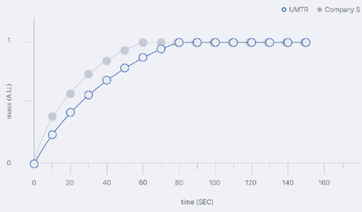
Dual-Layered Membrane



Dual layer membrane :
(Use of symmetrical membranes with different pore sizes)

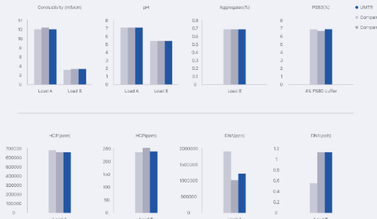
UMTR's dual-layer membrane has equivalent flow rate performance to global products in the medium filtration.

Dual-Layered Membrane Flow Rate



The flow rate performance is equivalant to those of the global products that is tested with Company C's culture medium in house

Comparisons of the Performance Results (with Company C's Products)



As a result of comparing the performance evaluation with the competitor C product, we obtained comparable performance evaluation data.

Non-Clinical Trals Passed

Cytotoxicity	Intracutaneous reactivity	Skin irritation	Oral mucosal irritation	Skin sensitization tests
100%	100%	100%	100%	100%