

Venrich[®] surPES[®]

Bottle Top Filter

1. surPES Membrane

- Low non-specific binding of proteins using hydrophilic
- Eco-friendly manufacturing process using green solvent



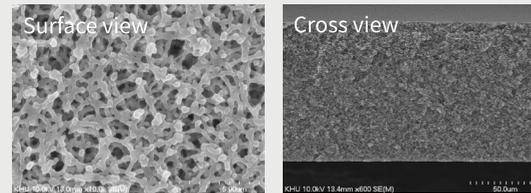
2. E-Beam Sterilization

3. Structure with high permeation efficiency

4. Details

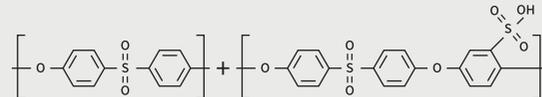
- Filter Style : Vacuum bottle top
- Membrane Material : Polyethersulfone
- Qty./Cs : 12 / Cs
- Neck Diameter : 45 mm
- Funnel Capacity : 500 mL
- Membrane Pore Size : 0.22 μm
- Membrane Area : 33.2 cm²
- Packaging : Individually wrapped

5. SEM Image



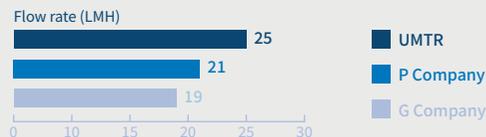
6. surPES[®]

Excellent hydrophilic properties and their stable performance against bio-burden with sulfonated PES



7. Flow rate comparison

Globally membrane-specialized manufacturer (Company P, G)

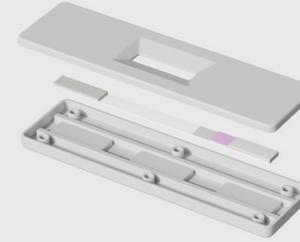


Drop and Flow[®]

Nitro Cellulose Membrane

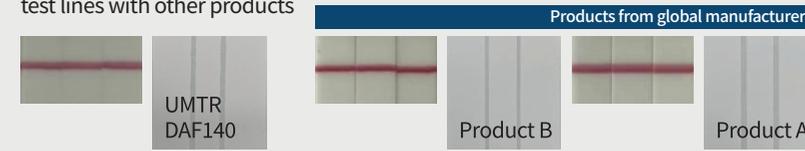
1. Nitrocellulose Membrane for rapid diagnostic devices

- Wicking Rate : 140 sec / 40 mm
- Pore Size : 8 μm ±
- Thickness : 100 μm ±
- Backing : Polyester clear (100 μm)



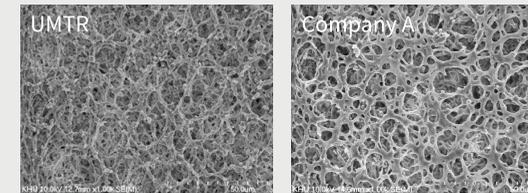
2. Comparison to color development by GNPs and dispensing evaluation of test lines

It is comparable to color development by GNPs and dispensing evaluation of test lines with other products



3. Surface structure comparable to products from global manufacturers

A buffer is uniformly transferred on NC membrane at the specified time by the uniform pore distribution on the membrane surface



8 μm of uniform surface pores

4. You can increase the reliability of your diagnostic kit using DAF products with less variation in thickness and capillary speed

Thickness deviation CV(5%) (between 195-205 μm)	Thickness deviation CV(5%) Development speed deviation CV(10%)	
	Product code	UMTR DAF140
10% of capillary speed deviation (between 130-150)	Thickness (μm)	190 - 210
	Capillary speed down web, Purified Water (s/40mm)	115 - 155

Vision

UMTR's Vision

For Laboratory



Centrifugal Concentrator
Cenrich[®] EcoCel[™]
Materials: Regenerated Cellulose



Vacuum Filtration
Venrich[®] surPES[®]
Materials: PES/surPES hydrophilic material

For In-Plant



MF cartridge filter
surPES

Material: PES/surPES hydrophilic material



Antibody concentration
TFF EcoCel

Material: Regenerated Cellulose

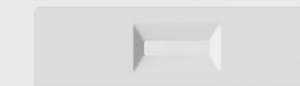


Virus filter
VirusXs surPES

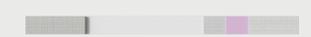
Material: PES/surPES hydrophilic material

Nitrocellulose Membranes For IVDs (In Vitro Diagnostics)

IVDs (In Vitro Diagnostics)



LFA



Material: Nitrocellulose

Specification

Capacity	Capillary speed down web purified water (x/40mm)	Characteristic
DAF 95	75 - 115	Fast
DAF 110	90 - 130	Medium
DAF 140	115 - 155	
DAF 180	170 - 190	Slow