High Throughput

Automation for cell filtration

Centrifugal Filtration Plate

Mass filtration of cell samples in the microplate.

1 plate **60** seconds ※

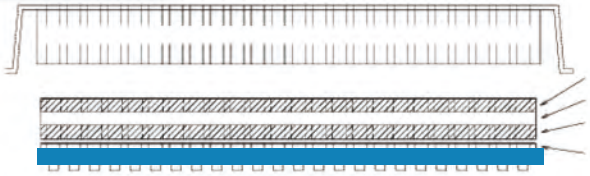
※ In case of using a 96-well type. Condition should be optimized individually.

When preparing multiple samples for FCM...

- ☑ Filtration is painful
- ☑ Need much time and efforts
- ☑ High cost

Conventional cell strainers require cost and time.

Point! Patented technology - 1



【Side View】

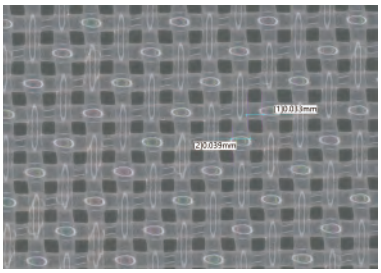
Attaching silicone sheet

Silicone sheet tightly holds both plates and avoids inter-well contamination.

Point!

Highly homogeneous mesh

Pore size： 30 μm
70 μm
100 μm



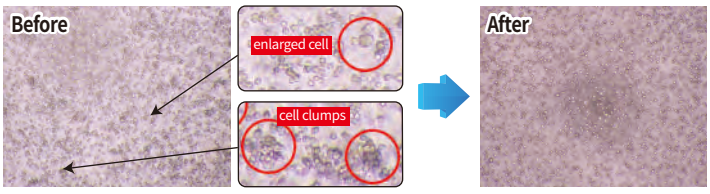
※Pore size can be customized.

24-well, 96-well, and 384-well

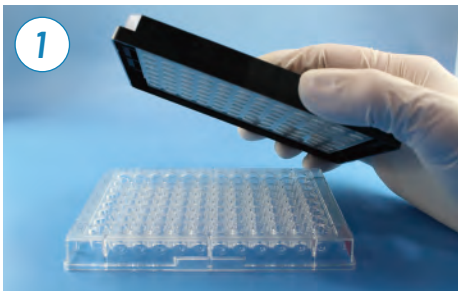
96-well plate

384-well plate

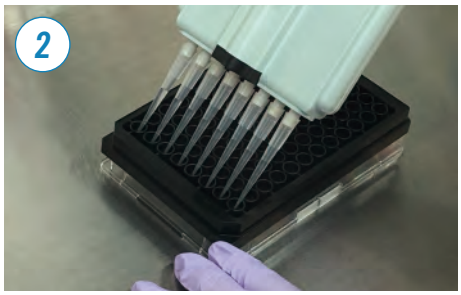
Data Sample : HEK293



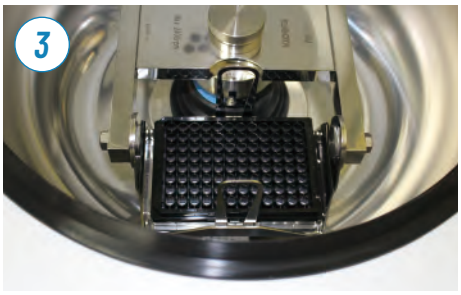
How to use just 3 -step



Stack centrifugal filtration plate onto a new microplate



Aliquot samples to wells by pipettes or machines



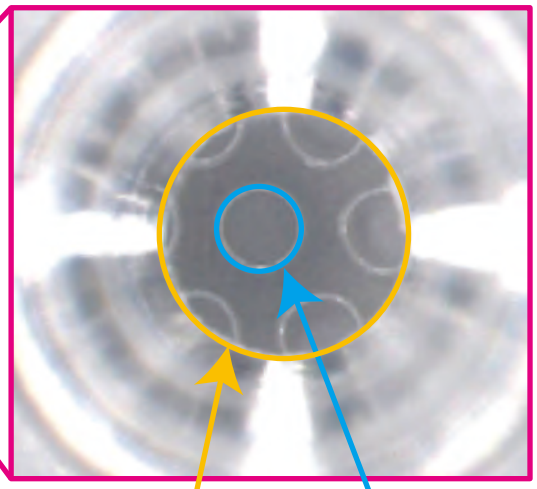
Filtration with centrifuge

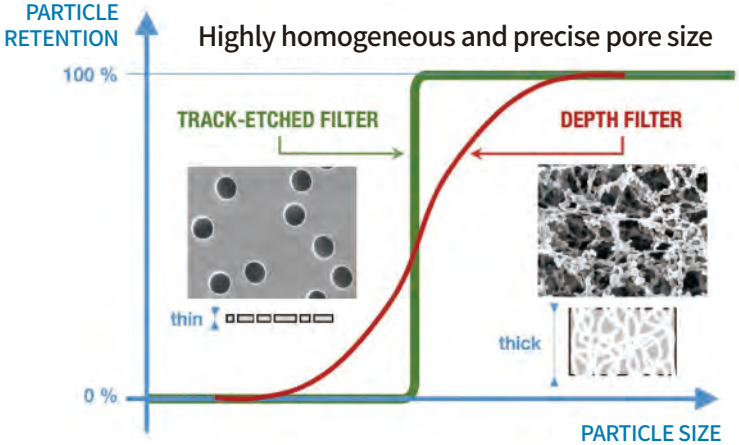
New

High Throughput

Nano-filtration plate

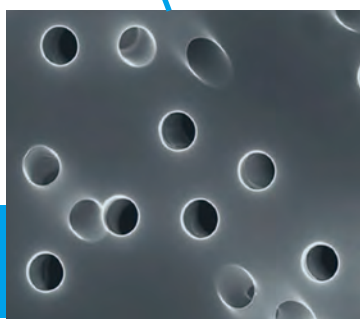
Membrane with nanometer pore size offers solutions not only to cell filtration but to other applications (e.g. protein, etc.)





Backing (PET)
Pore size : 300 µm

Precise membrane
Pore size : 0.45 µm



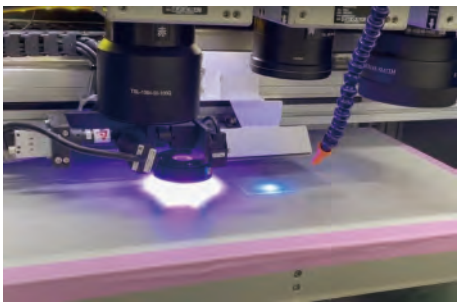
Membrane layered with backing

Point! Patented technology - 2

【Side View】

Precise membrane (0.45µm)
Adhesive
Backing (Pore size : 300 µm)

※Membrane pore size can be customized (0.05 µm ~)



Proprietary laser processing technology enables punching on the backing (PET). The backing is attached to membrane using adhesives.

Any request of sample, customization, etc...
Feel free to contact us!

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