

High Throughput

Automation  
for cell filtration

# Centrifugal Filtration Plate

## Mass filtration of cell samples in the microplate.

1 plate  
**60**  
seconds

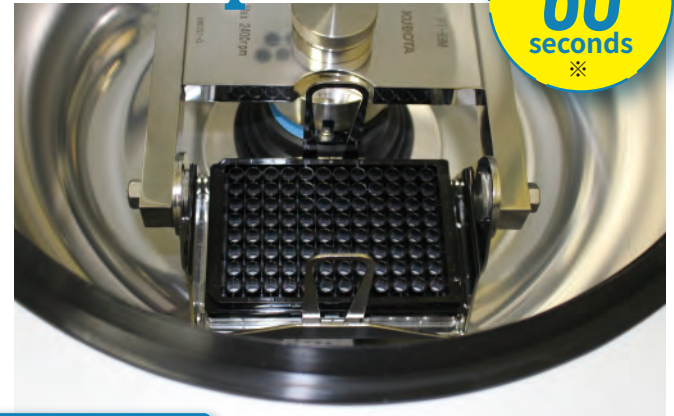
※ In case of using a 96-well type. Condition should be optimized individually.



When preparing multiple samples for FCM...

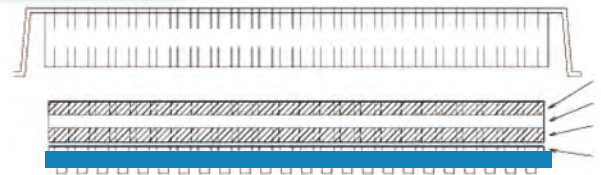
- ✓ Filtration is painful
- ✓ Need much time and efforts
- ✓ High cost

Conventional cell strainers require cost and time.



**Point!**

Patented technology - 1



[Side View]



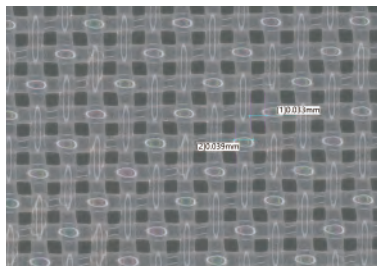
Attaching silicone sheet

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

**Point!**

Highly homogeneous mesh

Pore size : 30  $\mu\text{m}$   
70  $\mu\text{m}$   
100  $\mu\text{m}$



※Pore size can be customized.

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

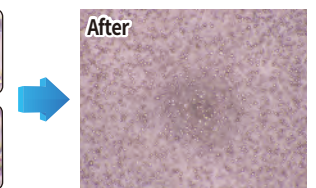
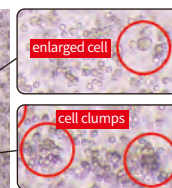
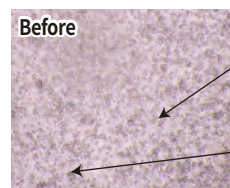


96-well plate



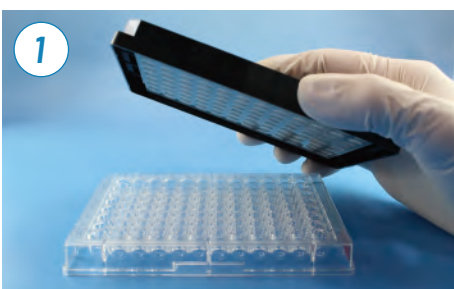
384-well plate

**Data** Sample : HEK293



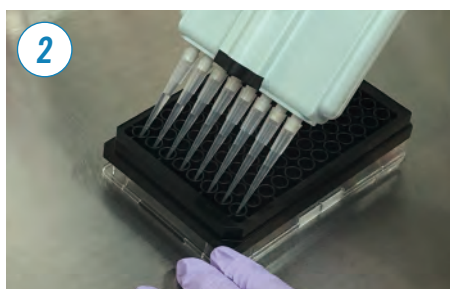
How to use just **3**-step

1



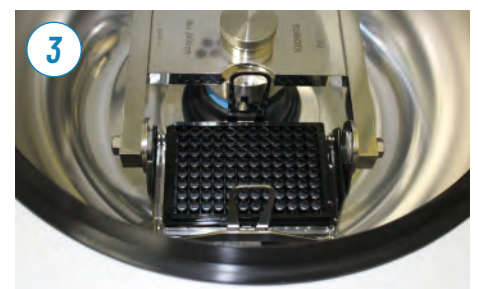
Stack centrifugal filtration plate onto a new microplate

2



Aliquot samples to wells by pipettes or machines

3



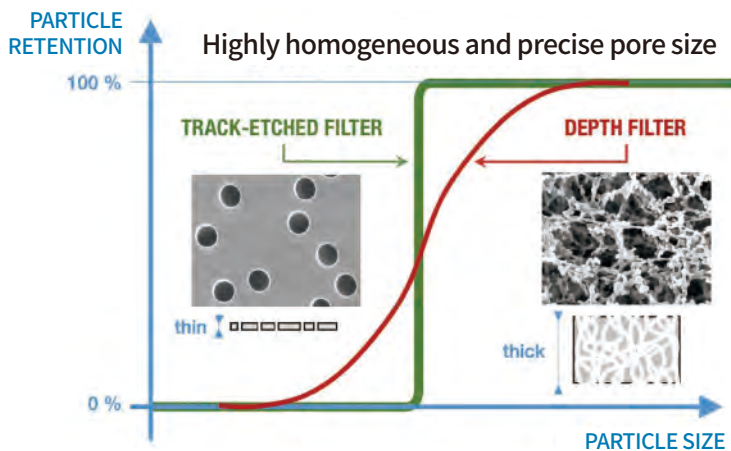
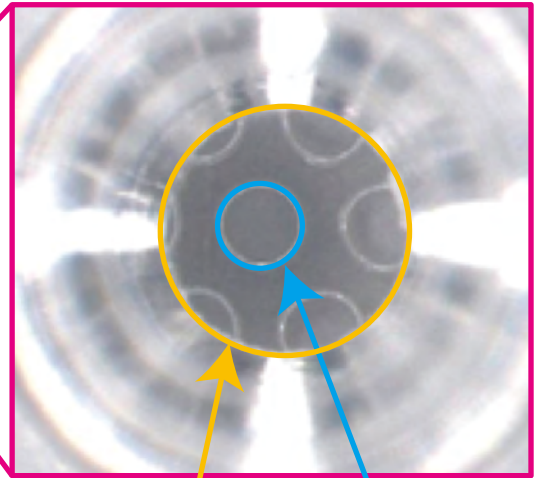
Filtration with centrifuge

New

High Throughput

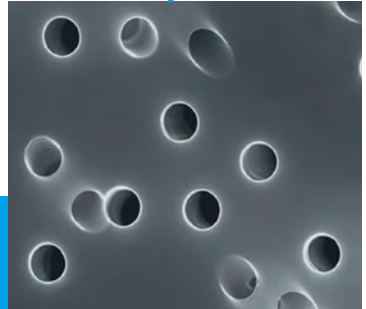
# Nano-filtration plate

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  $\mu$ m

Precise membrane  
Pore size : 0.45  $\mu$ m



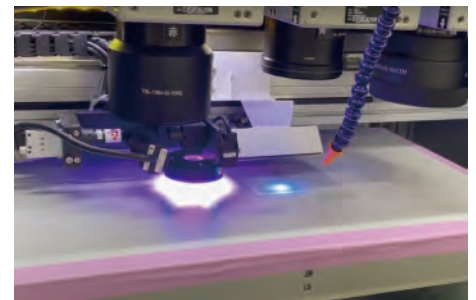
## Membrane layered with backing

**Point!** Patented technology - 2

[Side View]



※ Membrane pore size can be customized (0.05  $\mu$ m ~)



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!

Development and Sales

## CS CRIE Corporation

57-1 Ogahara, Makishimacho, Uji-shi, Kyoto 611-0041, Japan

+81-774-29-9037 yagi@cstec-jp.com

<https://www.cscrie-eng.com>

Website

