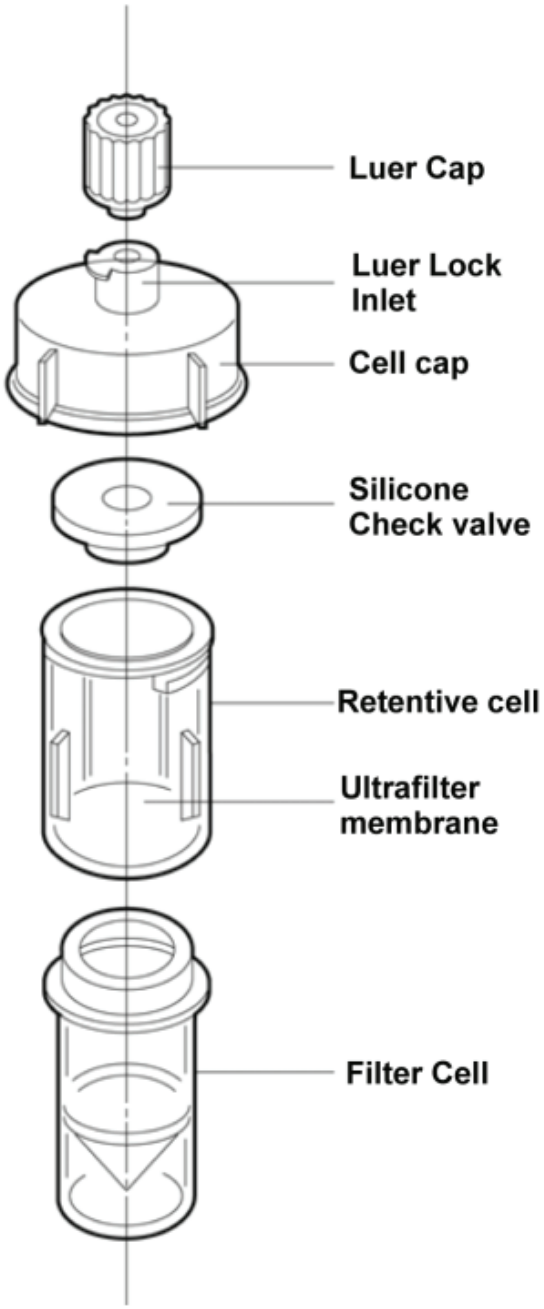
STERLITECH

Disposable Ultrafiltration Units



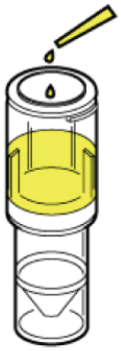
These disposable ultrafiltration units are designed to easily concentrate, separate or otherwise purify small volumes (<2mL) of liquids, on the basis of molecular weight cut off using positive pressure. Clear filtration chamber allows visual confirmation of filtration progress.



Specifications

Materials	
Cell Cap, Luer Cap:	Polypropylene
Check Valve:	Silicone
Retentive Cell:	Acryclic
Ultra Filter:	Polysulfone
Filtrate Cell:	Acrylic
Effective Filtration Area:	2.0 cm^2
Maximum Cell Capacity:	2.0mL
Minimum Graduated Volume:	0.5 mL
Minimum Recovery Volume:	0.5 mL
Maximum Concentration:	X40
Maximum Temperature:	50˚C
Sterlization:	25% Ethanol, 5% Formalin
Maximum Pressure:	0.29 MPa (42.6 PSI)
Filtrate Cell Capacity:	2.5 mL

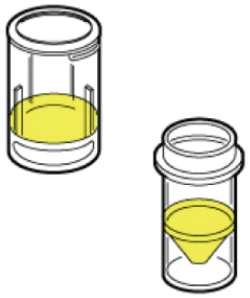
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1 Pipet sample (approximately 1-2 mL) into the retenate cell.



2 Place the cell cap onto the retentate cell and gently screw into place. Pressurize the unit by injecting 10 mL of air with a syringe.



3 The concentrated sample can be collected from the retentate cell, while the filtrate can be collected from the filter cell.

Solute Rejection %*

SKU		USY-1	USY-5	USY-20
Molecular Weight Cut Off of Ultra Filter		10,000	50,000	200,000
Solute	Molecular Weight			
Lysozome	14,800	>98	50	-
Mygoglobin	16,800	>95	40	-
a-Chymotrypsin	24,500	>98	85	-
ß-Lactoglobulin	35,000	>98	85	10
Ovalbumin	44,000	>98	95	60
Albumin (0.01%)	64,000	>98	>98	-
Bovine Albumin	67,000	>98	>90	60
ß-Globulin	110,000	>98	>98	>95
y-Globulin	160,000	>98	>98	>90

* 1mL of sample filtered at 0.2 Mpa

Ordering Information

USY - 1: 10,000 MWCO

USY - 5: 50,000 MWCO

USY - 20: 200,000 MWCO

Packaging:

Retentate Cell, Filtrate Cell - 24pcs/each

Luer Cap, Cell Cap, Check Valve - 4pcs/each

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