

Centrifugal Filters

Description:

Centrifugal Filters, With 50mL conical tube, PES membrane, Non-sterile

Purpose:

For the centrifugal concentration and purification of biological samples

Materials:

Cap/Sealing gasket: PE (Polyethylene) Color: White

Centrifuge tube: PP (Polypropylene)

Filter: Filter tube (MBS/Methyl methacrylate-Butadiene-Styrene)

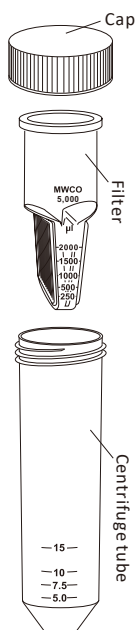

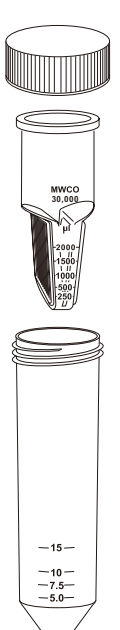
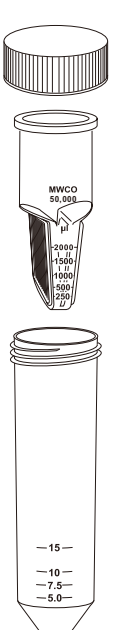
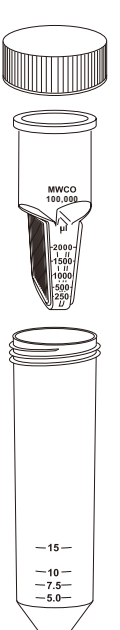
Filter slice (PE/Polyethylene)

Membrane: PES (Polyethersulfone)

Features:

- Operating temperature range: 0°C - 40°C
- Available in multiple pore sizes with the following defined Molecular Weight Cut-Offs (MWCO): 5, 10, 30, 50 and 100 KD
- Maximum Sample Volume: 12.0 mL (Swinging bucket), 10.0 mL (Fixed angle rotor)
- Final Concentrate Volume: 200 µL
- Fits centrifuges that accept standard 50 mL conical tubes
- Maximum Centrifugal Force: Swinging bucket rotor (4,000 x g), Fixed angle rotor (5,000 x g)
- Active membrane area: 5.48 cm²
- Provides high recoveries more than 90%
- The vertical design and available membrane surface area provide fast sample processing
- Features deadstop to prevent samples from spinning to dryness
- Manufactured in a class 100,000 room environment
- Manufactured under ISO13485 and ISO9001 quality management system



5 KD	10 KD	30 KD	50 KD	100 KD
 <p>Cap</p> <p>Filter</p> <p>MWCO 5,000</p> <p>Centrifuge tube</p> <p>15 10 7.5 5.0</p>	 <p>Cap</p> <p>Filter</p> <p>MWCO 10,000</p> <p>Centrifuge tube</p> <p>15 10 7.5 5.0</p>	 <p>Cap</p> <p>Filter</p> <p>MWCO 30,000</p> <p>Centrifuge tube</p> <p>15 10 7.5 5.0</p>	 <p>Cap</p> <p>Filter</p> <p>MWCO 50,000</p> <p>Centrifuge tube</p> <p>15 10 7.5 5.0</p>	 <p>Cap</p> <p>Filter</p> <p>MWCO 100,000</p> <p>Centrifuge tube</p> <p>15 10 7.5 5.0</p>

Dimensions (Unit: mm)

Filter device in tube (capped)

Length: 119 mm

Diameter: 34.5 mm

Filter device

Length: 72 mm

Diameter: 29.5 mm

The membrane is not compatible with the following

- Acetic Acid ($\geq 25\%$)
- Acetonitrile ($\geq 30\%$)
- Aliphatic & aromatic esters
- Amines
- Ammonium hydroxide ($\geq 5\%$)
- Aromatic & chlorinated hydrocarbons
- Butyl acetate ($\geq 40\%$)
- Dimethyl acetamide (DMAC) ($\geq 30\%$)
- Ethers
- Hydrochloric acid (≥ 0.5 N at 50°C)
- Isopropyl Alcohol ($\geq 25\%$)
- Ketone
- Methylene chloride ($\geq 1\%$)
- Methyl ethyl ketone ($\geq 1\%$)
- Phosphoric acid (≥ 1 N)
- Sodium deoxycholate ($\geq 5\%$)
- Sodium hydroxide (≥ 0.5 N at 50°C)
- Sodium hypochlorite ($\geq 0.04\%$)
- Tetrahydrofuran ($\geq 5\%$)
- Toluene ($\geq 1\%$)

Centrifugal Filters

Item CODE	MWCO	Sterilization	Quantity/Box	Quantity/Case
CEF50W010KD08120	10KD	No	8	96
CEF50W010KD24040	10KD	No	24	96
CEF50W030KD08120	30KD	No	8	96
CEF50W030KD24040	30KD	No	24	96
CEF50W050KD08120	50KD	No	8	96
CEF50W050KD24040	50KD	No	24	96
CEF50W100KD08120	100KD	No	8	96
CEF50W100KD24040	100KD	No	24	96

Centrifugal Filters

Description

Centrifugal Filters, With 15mL conical tube, PES membrane, Non-sterile

Purpose:

For the centrifugal concentration and purification of biological samples

Materials:

Cap/Sealing gasket: PE (Polyethylene) Color: White

Centrifuge tube: PP (Polypropylene)

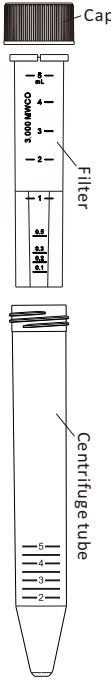





Filter: MBS (Methyl methacrylate-Butadiene-Styrene)

Membrane: PES (Polyethersulfone)

Features:

- Operating temperature range: 0°C - 40°C
- Available in multiple pore sizes with the following defined Molecular Weight Cut-Offs (MWCO): 3, 5, 10, 30, 50 and 100 KD
- Maximum Sample Volume: 5.0 mL
- Final Concentrate Volume: 40-100 µL
- Fits centrifuges that accept standard 15 mL conical tubes
- Maximum Centrifugal Force: Swinging bucket rotor (3,000 x g), Fixed angle rotor (7,500 x g for 3, 5, 10 KD; 5,000 x g for 30, 50, 100 KD)
- Active membrane area: 3.5 cm²
- Provides high recoveries more than 90%
- The vertical design and available membrane surface area provide fast sample processing
- Features deadstop to prevent samples from spinning to dryness
- Manufactured in a class 100,000 room environment
- Manufactured under ISO13485 and ISO9001 quality management system



3 KD	5 KD	10 KD	30 KD	50 KD	100 KD
 <p>Cap</p> <p>Filter</p> <p>Centrifuge tube</p>					

Dimensions (Unit: mm)

Filter device in tube (capped)

Length: 123.4 mm Diameter: 22 mm

Filter device

Length: 68 mm Diameter: 17.1 mm

The membrane is not compatible with the following

- Acetic Acid ($\geq 25\%$)
- Acetonitrile ($\geq 30\%$)
- Aliphatic & aromatic esters
- Amines
- Ammonium hydroxide ($\geq 5\%$)
- Aromatic & chlorinated hydrocarbons
- Butyl acetate ($\geq 40\%$)
- Dimethyl acetamide (DMAC) ($\geq 30\%$)
- Ethers
- Hydrochloric acid (≥ 0.5 N at 50°C)
- Isopropyl Alcohol ($\geq 25\%$)
- Ketone
- Methylene chloride ($\geq 1\%$)
- Methyl ethyl ketone ($\geq 1\%$)
- Phosphoric acid (≥ 1 N)
- Sodium deoxycholate ($\geq 5\%$)
- Sodium hydroxide (≥ 0.5 N at 50°C)
- Sodium hypochlorite ($\geq 0.04\%$)
- Tetrahydrofuran ($\geq 5\%$)
- Toluene ($\geq 1\%$)

Centrifugal Filters

Item CODE	MWCO	Sterilization	Quantity/Box	Quantity/Case
CEF15W010KD24040	10KD	No	24	96
CEF15W030KD24040	30KD	No	24	96
CEF15W050KD24040	50KD	No	24	96
CEF15W100KD24040	100KD	No	24	96