

# Centrifugal Filters

## Description:

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

## Purpose:

For the centrifugal concentration and purification of biological samples

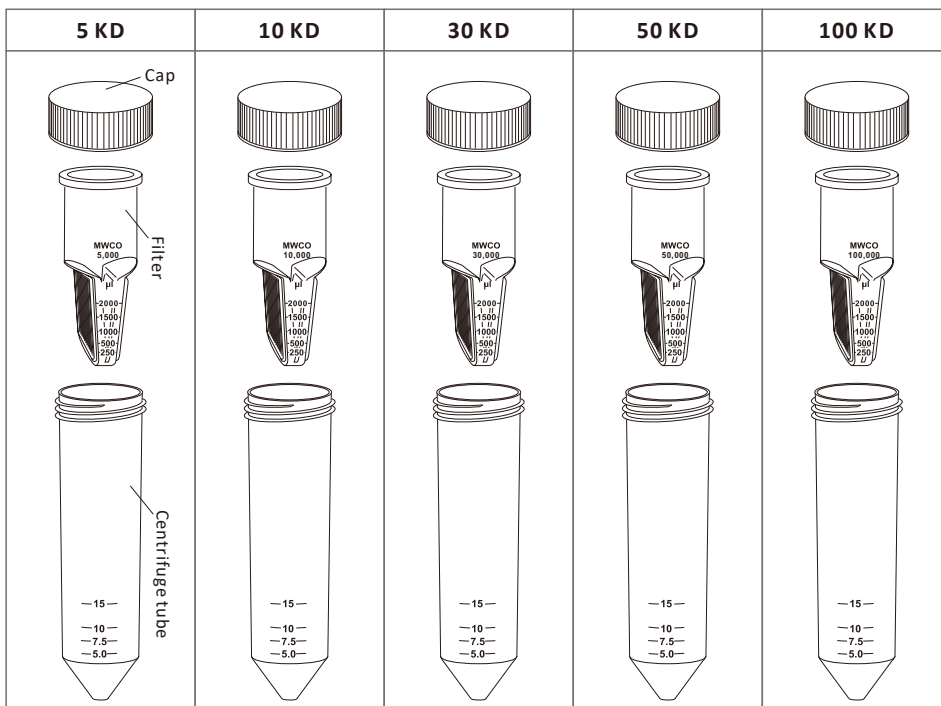
## Materials:

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 cm<sup>2</sup>
- 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



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

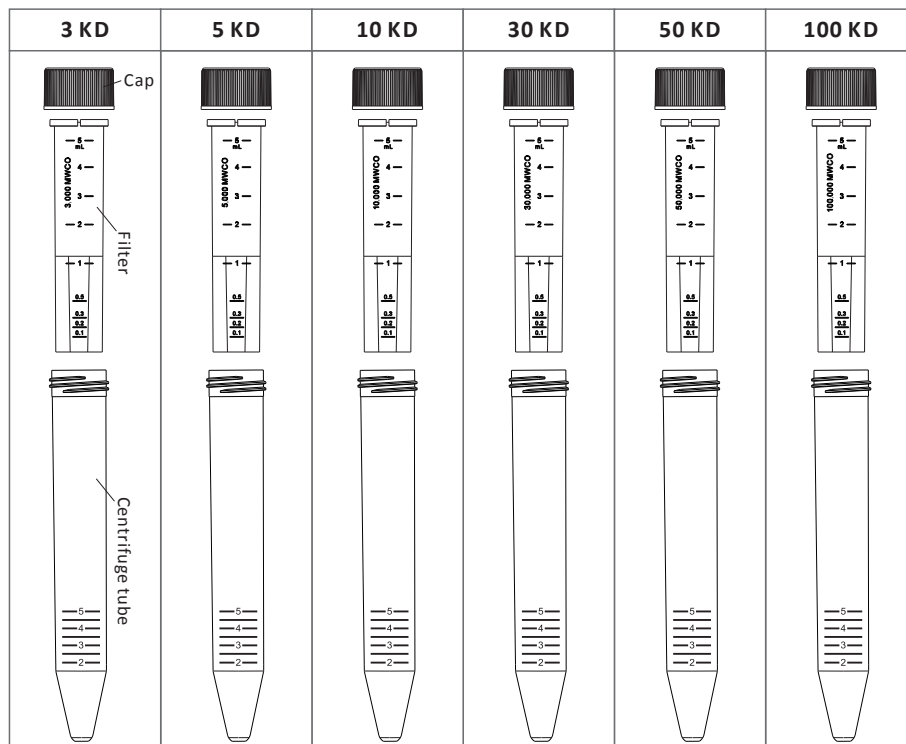
Centrifuge tube: PP (Polypropylene)

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  $\mu$ L
- 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 cm<sup>2</sup>
- 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



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