

## ROTI®Spin Centrifugal filters

### Product specifications



Our ROTI®Spin centrifugal filters are optimised for the simple and efficient concentration and dialysis of biomolecules. The neutrally charged polyethersulfone (PES) membrane has a broad chemical compatibility and has an excellent chemical resistance. Furthermore, it has undergone a special treatment that minimises the binding of biomolecules in order to optimise sample recovery rates. To prevent the sample from drying out, the centrifugal filters incorporate a dead stop.

### 1. Product ISO 9000 Certification

- Manufactured in a class 100,000 room environment.
- Manufactured under EN ISO13485 :2003 and ISO9001:2008 quality management system.

### 2. Material

- Cap: HDPE (High-density Polyethylene)
- Filtration: ABS (Acrylonitrile-Butadiene-Styrene)
- Tube: PP (Polypropylene)
- Membrane: Polyethersulfone (PES)
- Sealing gasket: PE (Polyethylene)



### 3. Features

	ROTI®Spin MIDI	ROTI®Spin MAXI
<b>Maximum initial sample volume</b>	5.0 ml	Swinging bucket: 15.0ml Fixed angle rotor: 12.0ml
<b>Typical final concentrate volume</b>	40-100 µl	200 µl
<b>Dimensions Capped Tube</b>	Length: 123.4 mm Diameter: 22 mm	Length: 119 mm Diameter: 34.5 mm
<b>Dimensions Filter device</b>	Length: 68.0 mm Diameter: 17.1 mm	Length: 72.0 mm Diameter: 29.5 mm
<b>Active membrane area</b>	3.5 cm <sup>2</sup>	5,48 cm <sup>2</sup>
<b>Maximum relative centrifugal force</b>	Swinging bucket: 3.000 g Fixed angle rotor: 5.000 g	Swinging bucket: 3.000 g Fixed angle rotor: 4.000 g
<b>Temperature range</b>	-20 °C – 50 °C	
<b>Autoclavability</b>	No	

### 4. Incompatible solvents

- Acetic Acid (≥ 25%)
- Acetonitrile (≥ 30%)





Well advised with Roth.

## Technical Info

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

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