

## Centrifuge Filter Tubes

CENTRIFUGE FILTER TUBES				
MEMBRANE	PORE SIZE	MICRO 100/pk	MIDI 25/pk	MAXI 50/pk
Nylon	0.2 µm	CTF-NY020-01	CTF-NY020-02	CTF-NY020-03
	0.45 µm	CTF-NY045-01	CTF-NY045-02	CTF-NY045-03
PTFE (polytetrafluoroethylene)	0.2 µm	CTF-PT020-01	CTF-PT020-02	CTF-PT020-03
	0.45 µm	CTF-PT045-01	CTF-PT045-02	CTF-PT045-03
PVDF (polyvinylidene difluoride)	0.2 µm	CTF-PV020-01	CTF-PV020-02	CTF-PV020-03
	0.45 µm	CTF-PV045-01	CTF-PV045-02	CTF-PV045-03
PES (polyethersulfone)	0.2 µm	CTF-PS020-01	CTF-PS020-02	CTF-PS020-03
	0.45 µm	CTF-PS045-01	CTF-PS045-02	CTF-PS045-03
CA (cellulose acetate)	0.2 µm	CTF-CA020-01	CTF-CA020-02	CTF-CA020-03
	0.45 µm	CTF-CA045-01	CTF-CA045-02	CTF-CA045-03
PP (polypropylene)	0.2 µm	CTF-PP020-01	CTF-PP020-02	CTF-PP020-03
	0.45 µm	CTF-PP045-01	CTF-PP045-02	CTF-PP045-03
RC (regenerated cellulose)	0.2 µm	CTF-RC020-01	CTF-RC020-02	CTF-RC020-03
	0.45 µm	CTF-RC045-01	CTF-RC045-02	CTF-RC045-03
NC (nitrocellulose)	0.2 µm	CTF-NC020-01	CTF-NC020-02	CTF-NC020-03
	0.45 µm	CTF-NC045-01	CTF-NC045-02	CTF-NC045-03
Forensic Spin Tube	1.4 mm mesh	CTF-FS000-01	—	—



### Micro-Spin Filter Tubes

- 850 µL sample capacity
- 2 mL graduated receiver tube and cap
- Maximum G-force: 10,000xG



### Midi-Spin Filter Tubes

- 4 mL sample capacity
- 7 mL graduated receiver tube and cap
- Maximum G-force: 5,000xG



### Maxi-Spin Filter Tubes

- 25 mL sample capacity
- 50 mL graduated receiver tube and cap
- Maximum G-force: 2,500xG

## Bulk Empty Centrifuge Tubes

Our bulk empty centrifuge tubes are all Pyrogen free.

BULK EMPTY CENTRIFUGE TUBES					
VOLUME	0.5 mL	1.5 mL	2.0 mL	15 mL	50 mL
QTY	5,000/pk	5,000/pk	5,000/pk	500/pk	500/pk
PART NO	CNT005	CNT015	CNT020	CNT150	CNT500

## Membrane Selection Guide

MEMBRANE	AQUEOUS	ORGANIC	LOW PROTEIN BINDING	APPLICATION
Nylon	●	●	●	Commonly used for general laboratory filtration of HPLC samples prior to injection. Nylon is solvent resistant and exhibits low extractables. Nylon binds protein and should not be used when protein recovery is important.
PTFE	●	●	●	PTFE is hydrophobic and chemically resistant to all solvents, acids and bases. Does not impart extractables to the filtrate. PTFE blocks water vapor, making it ideal for transducer protectors.
PVDF	●	●	●	PVDF (polyvinylidene difluoride) is a solvent resistant membrane that exhibits low levels of UV adsorbing extractables. Use for HPLC sample filtration and general biological filtration. PVDF is a low protein binding membrane.
PES	●	●	●	PES (polyethersulfone) is a mechanically strong membrane low in inorganic extractable ions. Typical applications: Ion chromatography, tissue culture filtration, filtration of proteins and nucleic acids.
Cellulose Acetate	●	●	●	Cellulose Acetate is a very low protein binding membrane (binds less protein than PVDF), ideal for aqueous based samples. CA membranes are an excellent choice when maximum protein recovery in filtrate is critical.
PP	●	●	●	Polypropylene is a hydrophilic membrane that exhibits a wide range of chemical compatibility to organic solvents. A good choice for HPLC sample filtration when performing chromatography protein analysis.
RC	●	●	●	Regenerated Cellulose (RC) is a hydrophilic, solvent resistant, low protein binding membrane. Ideal for removing particulates from HPLC samples prior to injection. Extractables with water are less than 1%.
NC	●	●	●	Nitrocellulose (NC) - Mixed Esters (ME) - unsupported filters are hydrophilic and composed of a mixture of inert cellulose nitrate and cellulose acetate polymers. Fast flow rates due to the uniform structure of membrane.