

Centrifuge Tubes



GUIDELINES FOR USE

Product Specification

- Nonpyrogenic.
- RNase /DNase free.
- Virgin polypropylene that meets USP Class VI requirements.
- 3-year shelf life.
- Sterile.
- These tubes are intended for laboratory use only. The following information is provided to serve as a general guideline for determining suitability of these tubes for your applications. These tubes are intended for single use only; reuse is not recommended as breakage or leakage may occur.

Material Information

- Centrifuge tubes materials: polypropylene (PP). Polypropylene tubes provide excellent chemical resistance and mechanical strength. They are strong, moderately rigid, and well-suited for most disposable centrifuge applications.
- Caps materials: polyethylene (PE). This leakproof design prevents seepage when used under recommended condition.

Application Guidelines

- Our tubes are rated up to a maximum relative centrifugal force (RCF) of 15,000 xg depending on the size and format of the tube (self-standing or not). These ratings have been established at room temperature using tubes filled to the maximum stated volume with water and spun in a fully-supported rotor for 5 minutes.
- To determine the speed (rpm) at which maximum RCF is achieved for your rotor, please consult your centrifuge manufacturer's specifications.
- Recommended working temperature range is 0°C to 40°C.
- Storage temperature range is -80°C to 40°C. When freezing solutions, volume should not exceed 80% of the recommended capacity.
- Autoclavable for 15 minutes at 121°C/15 psi. Loosen cap before autoclaving.
- Chemical Resistance.
- Always conduct a trial run to determine proper conditions for steps 1 through 6 before any critical use.

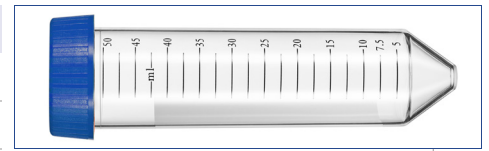
Specific operating conditions, especially temperature, volume, RCF, rotor type, carrier design, and run length can affect tube performance.



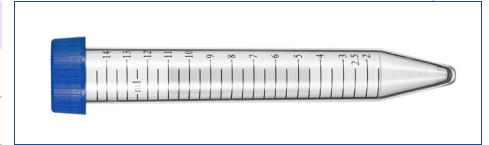
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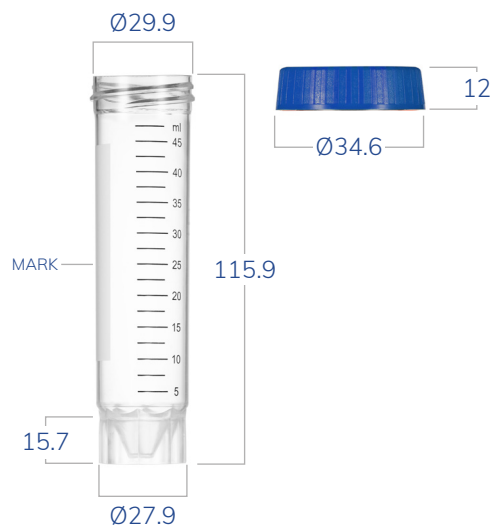
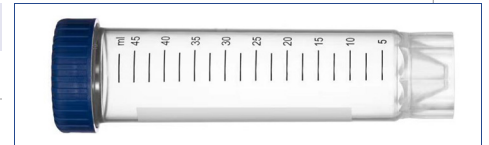
Part No.	Volume	Centrifuge Force	Bottom	Package Type	Pack
CT50B	50ml	15000g	conical bottom	bulk pack	25/bag, 20bags/case
CT50R	50ml	15000g	conical bottom	rack pack	25/rack, 20racks/case



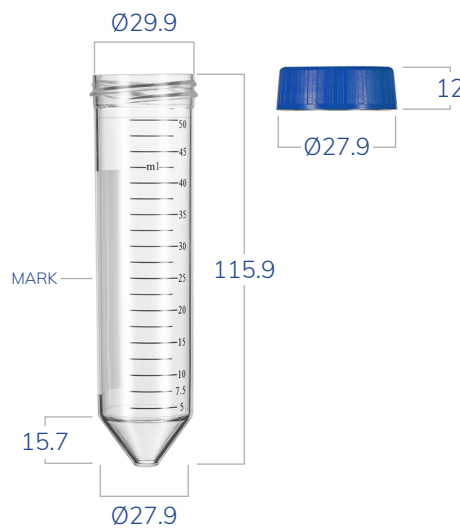
Part No.	Volume	Centrifuge Force	Bottom	Package Type	Pack
CT15B	15ml	15000g	conical bottom	bulk pack	25/bag, 20bags/case
CT15R	15ml	15000g	conical bottom	rack pack	25/rack, 20racks/case



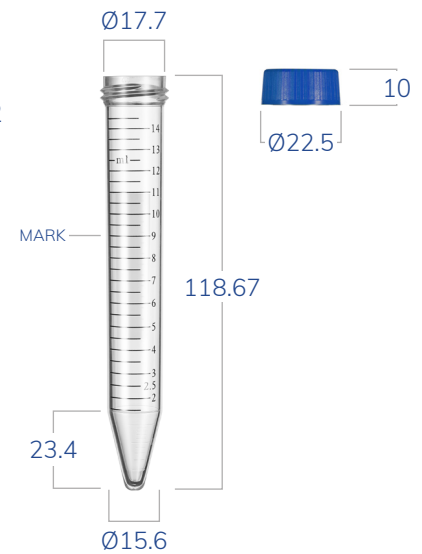
Part No.	Volume	Centrifuge Force	Bottom	Package Type	Pack
CT50BS	50ml	3500g	self-standing	bulk pack	25/bag, 20bags/case
CT50RS	50ml	3500g	self-standing	rack pack	25/bag, 20bags/case



50ml self-standing



50ml conical bottom



15ml conical bottom

Chemical Resistance Summary (Reference Only)

Substance Temp	Resin			
	PP	PS	HDPE	LDPE
20°C (68°F)	PP	PS	HDPE	LDPE
Acids (Organic)	A	A	A	A
Acids (Inorganic)	A	C	A	A
Alcohols	A	A	A	A
Aldehydes	B	D	B	B
Bases	A	A	A	A
Esters	B	D	B	B
Hydrocarbons (aliphatic)	B	D	B	C
Hydrocarbons (aromatic)	C	D	B	C
Hydrocarbons (halogenated)	C	D	C	D
Ketones	B	D	B	B
Phenol (crystals)	B	D	B	B
Phenol (liquid)	D	C	D	D

A-No damage after 30 days of constant exposure.

B-Little to no damage after 30 days of constant exposure.

C-Some effect after 7 days of constant exposure.

D-No recommended for continuous use.



Dynalabware



Microcentrifuge Tubes

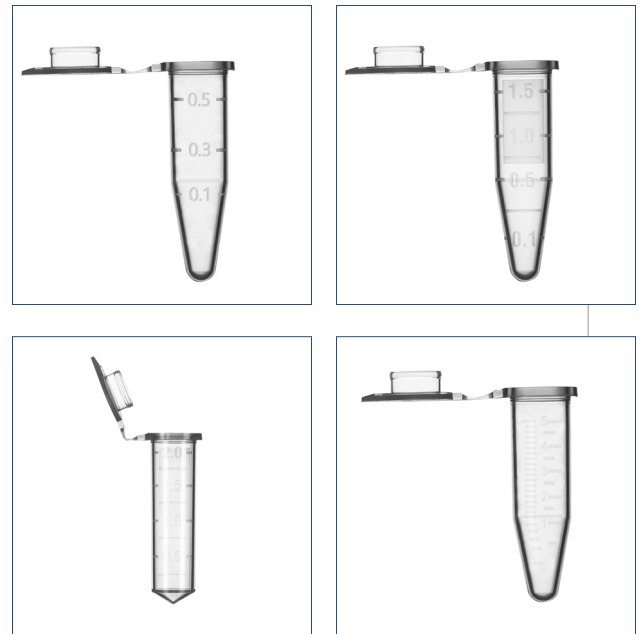
Microcentrifuge tubes, also known as microtubes or PCR tubes, are made from ultraclear polypropylene resin. These are commonly used in molecular biology and biochemistry experiments to separate sample components based on their size and density. They can also be used for storage, mixing or transportation of samples.

Product Specifications:

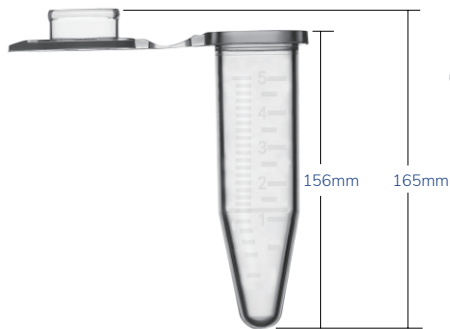
Material: Polypropylene (PP)

Centrifugal force: 25000g

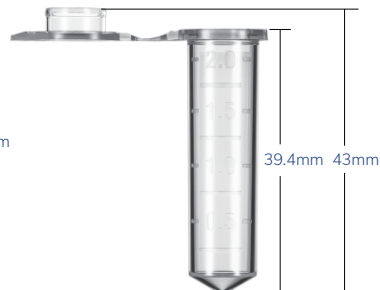
Autoclavable (121 °C) and freezable (-80 °C)



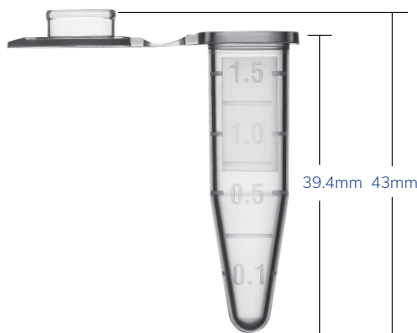
Part No.	Volume	Centrifuge Force	Package Type	Pack
MCT50	5.0ml	25000g	bulk pack	200/bag,10bags/case
MCT20	2.0ml	25000g	bulk pack	500/bag,10bags/case
MCT15	1.5ml	25000g	bulk pack	500/bag,10bags/case
MCT05	0.5ml	25000g	bulk pack	1000/bag,10bags/case



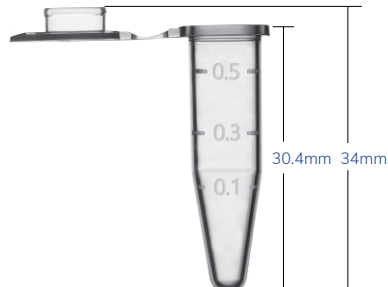
MCT50



MCT20



MCT15



MCT05



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