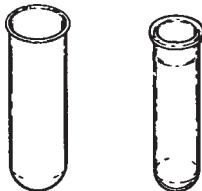

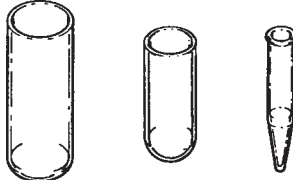






**TUBE AND BOTTLE DESCRIPTION**

TUBE STYLE	ABBREVIATION	DESCRIPTION	
Flanged	FL	Reusable tube for use in LOWSPEED and SUPERSPEED Rotors. Flanged lip allows for use of snap-on tube covers (except for Stainless Steel tube). Available in a variety of sizes and materials.	
Thin-Walled	TW	Puncturable, straight-walled tube. Sealing assemblies required for ULTRASPEED tubes. Available in polyallomer, polyethylene terephthalate and cellulose acetate butyrate. Disposable.	
Thick-Walled	T	Reusable, straight-walled tube available in Pyrex®, Corex®, polycarbonate, polyallomer, cellulose acetate butyrate, and stainless steel.	
Threaded	TH	Threaded, straight-walled polycarbonate or cellulose acetate butyrate tubes. Reusable. Aluminum sealing caps must be purchased separately.	
ULTRACRIMP®	UC	Puncturable, polyallomer tube for use with the ULTRACRIMP® and CLEARCRIMP® Sealing System. Tubes are supplied with an equal number of tube caps and plugs. Disposable.	
CLEARCRIMP®	CC	Puncturable, polyethylene terephthalate tubes for use with the ULTRACRIMP® and CLEARCRIMP® Sealing System. Tubes are supplied with an equal number of tube caps and plugs. Disposable.	
Re-Seal™ *	RS	Puncturable, polyallomer tube for use in MICRO-ULTRACENTRIFUGE Rotors. May be reused once.	

Several different styles of tubes and bottles are used in SORVALL® Rotors. Listed on the following page is a table which details the characteristics of the different styles that are available from SORVALL. Refer to the "Product Care" section for more information useful in selecting the proper tube/ bottle material.

It is important to note that many factors influence the maximum speed at which glass or plastic tubes may be run without breakage. These factors include the dimension, tolerance, and quality of the tubes, as well as the volume of sample and support of the tube within the rotor. Tubes should be pretested before use by loading with water and running to the required speed. The load in the rotor must be equal and balanced. Even with pre-testing, the possibility of tube breakage still exists because of the unobservable effect of repeated stress on the tube.


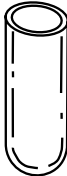


To ensure safe operation of tubes and bottles, one should be aware of all safe practices and take all the precautions described in the appropriate rotor manual.

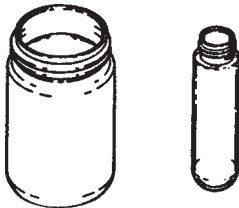
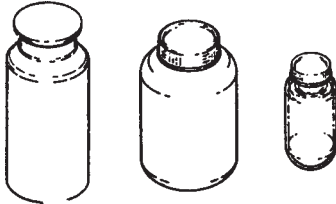

When using radioactive, toxic, or pathogenic materials, be aware of all characteristics of the materials and the hazards associated with them in the event that leakage or breakage of a tube occurs during centrifugation. If leakage or breakage does occur, neither the centrifuge nor the rotor can protect you from particles dispensed into the air. To protect yourself, we recommend additional precautions be taken to prevent exposure to these materials such as the use of controlled ventilation or isolation areas.

**Always be aware of the possibility of contamination when using radioactive, toxic, or pathogenic materials. Take all necessary precautions and use appropriate decontamination procedures if exposure occurs.**

\*Re-Seal is a trademark of Seton Scientific.

**TUBE AND BOTTLE DESCRIPTION** (continued)

TUBE STYLE	ABBREVIATION	DESCRIPTION	
Ultracone™ *	UCN	Thin-walled, conical bottom tubes for use in MICRO-ULTRACENTRIFUGE and ULTRACENTRIFUGE swinging-bucket rotor. Available in polyallomer and Polyclear.™ * Disposable.	
Ultrathin™ *	UT	Thin-walled round bottom tubes for use in MICRO-ULTRACENTRIFUGE swinging-bucket rotor. Available in Polyclear.™ * Disposable.	
Easy-Seal™	ES	Puncturable, polyallomer and polyethylene terephthalate tube for use in MICRO-ULTRACENTRIFUGE rotors. Disposable.	
Cone-Top™	CT	Puncturable, polyallomer and polyethylene terephthalate tube for use in ULTRACENTRIFUGE rotors. Disposable.	

BOTTLE STYLE	ABBREVIATION	DESCRIPTION	
Oak Ridge	OR	Threaded bottle with shoulder. Cap assembly fits flush with side of bottle. Round-bottomed up to 50 ml, flat-bottomed from 250 ml to 1,000 ml. Available in several types of plastic. Sealing or nonsealing caps must be purchased separately. Reusable.	
Screw Cap	B	Standard, threaded bottles in Pyrex®, Corex®, polypropylene, or stainless steel. Caps included with bottles. Reusable.	
DRY-SPIN	B	Threaded bottle with canted neck. Flat-bottomed. Available in polypropylene and polycarbonate in 250 ml and polypropylene in 500 ml. Sealing cap included. Reusable.	

\*Ultracone, Ultrathin, and Polyclear are trademarks of Seton Scientific.

All trademarks are the property of their respective owners.