

Corning® Centrifuge Bottles

Instructions for Use

CORNING



Polypropylene centrifuge bottles



Polycarbonate centrifuge bottles

Product Use

WARNING: When centrifuging pathogenic organisms, clinical specimens known or suspected of being infectious or any other potentially biohazardous materials, approved safety containment system should be used. (Contact your centrifuge manufacturer for appropriate accessories and recommendations.)

- ▶ For laboratory use only.
- ▶ Intended for use by person knowledgeable in safe laboratory practices.
- ▶ Autoclavable at 121°C at 15 psi for 20 minutes.
- ▶ Prolonged autoclaving and reuse may cause stress cracks, crazing, or bottle discoloration.
- ▶ Caps are not interchangeable among different size/material bottles.

Performance

- ▶ For the Chemical Compatibility Guide and chemical resistance of centrifuge bottles, visit www.corning.com/lifesciences.
- ▶ Recommended working temperature range is 4°C to 20°C.
- ▶ The mechanical strength, flexibility, color, weight, and dimensional stability of all plastic centrifuge bottles are affected to varying degrees by the chemicals with which they come in contact. Specific operating conditions, especially temperatures, relative centrifugal force (RCF), rotor type, carrier design, and run length will also affect bottle performance. Conduct a trial to determine proper conditions before any critical use.

Centrifugation

- ▶ For maximum recommended RCF, see Ordering Information table.
- ▶ For rotor compatibility of centrifuge bottles, visit www.corning.com/lifesciences.
- ▶ Follow the procedure outline by the centrifuge manufacturer. Read protocols and instruction manuals carefully.
- ▶ Fill volume should not exceed 80% of total bottle capacity. For volumes that would exceed 80% of the total bottle capacity, Corning recommends using a larger sized vessel.
- ▶ Consult centrifuge manufacturer's specifications for speeds (RPM) at which maximum RCF values for your rotor are achieved. Do not confuse speed or revolutions per minute (RPM) with relative centrifugal force (RCF). Instruction for centrifuging a sample at a given RPM and time are incomplete unless the rotor or radius is specified. Protocols should always state the time and RCF value for centrifuging a sample.
- ▶ Failure to use the recommended rotor cushion or adapter will shorten the life of the bottle and may prevent achieving the maximum rated RCF.

Product Disposal

- ▶ Should this product be used with infectious or otherwise hazardous materials, those materials should be rendered harmless by sterilization or other suitable treatment prior to disposal.

Ordering Information

Corning® Centrifuge Bottles

Cat. No.	Capacity	Material	Cap Style	RCF Rating	Qty/Bag	Qty/Cs
431840	250 mL	Polypropylene	Silicone O-ring	13,500	4	36
431841	250 mL	Polypropylene	Standard	8,250	4	36
431842	250 mL	Polycarbonate	Silicone O-ring	13,500	4	36
431843	250 mL	Polycarbonate	Standard	8,250	4	36
431844	500 mL	Polypropylene	Silicone O-ring	13,500	4	24
431845	500 mL	Polypropylene	Standard	8,250	4	24
431846	500 mL	Polycarbonate	Silicone O-ring	13,500	4	24
431847	500 mL	Polycarbonate	Standard	8,250	4	24

For more specific information on claims, visit the Certificates page at www.corning.com/lifesciences.

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Not for use in humans. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

For additional product or technical information, visit www.corning.com/lifesciences or call 800.492.1110. Outside the United States, call +1.978.442.2200 or contact your local Corning sales office.

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