

Corning® Disposable Spinner Flasks

Ready-to-Use Convenience

CORNING

Convenience

The Corning disposable spinner flasks come ready-to-use with paddle and integrated magnet, eliminating the need for time-consuming assembly or cleaning and reassembly.

Confidence

Made of materials to comply with USP Class VI and ISO 10993-18 standards. Each spinner flask is assembled in a Class 10,000 clean room and gamma irradiated to assure a clean and sterile unit. No more concerns with detergent residues or contamination.

Compatibility

Vessels were designed to be comparable to conventional glass spinner flasks for growth of suspension cell lines and any attachment-dependent cultures using microcarrier beads.

Performance

The paddle size and height are optimized for each vessel size. A unique integrated magnet provides a smooth, even rotation at required speeds on any laboratory slow speed stirrer.



125 mL and 500 mL Disposable Spinner Flasks



1L and 3L Disposable Spinner Flasks, Solid Cap

Corning® 125 and 500 mL Disposable Spinner Flasks



3152, 3153 125 mL and 500 mL Disposable Spinner Flasks

Materials of Construction

- ▶ Vessel, shaft and paddle are constructed of polystyrene (USP Class VI and ISO 10993-18 compliant).
- ▶ Single use only. Flasks cannot be autoclaved or resterilized with alcohol. Any attempt to do so will result in degradation of the materials.
- ▶ Teflon® Paddle Bushing was life tested for 2.5 months/24 hours/day at 125 rpm.
- ▶ Gamma-irradiated. Product meets USP XXIV: 71 Bacteriostasis, Fungistasis and Sterility Standards.
- ▶ Each system is supplied in double bagged Tyvek® breathable pouches, individually packed in a box.
- ▶ Product is sterile unless Tyvek pouch has been compromised.
- ▶ Three-year shelf life from date of manufacture

Technical Specifications

| Parameter | 125 mL | 500 mL |
|---------------------------------|-----------------------|-----------------------|
| Recommended Working Volumes | 30 – 75 mL | 100 – 300 mL |
| Vessel Height | 145 mm | 203.2 mm |
| Vessel Diameter | 63.5 mm | 87.3 mm |
| Flange Diameter | 114.8 mm | 139.7 mm |
| Center Cap Diameter | 70 mm | 100 mm |
| Sidearm Opening | 18.8 mm | 38.1 mm |
| Sidearm Cap Diameter | 25 mm (GL 25 Threads) | 45 mm (GL 45 Threads) |
| Paddle Size (W x H) | 39.9 x 50.0 mm | 50.3 x 61.0 mm |
| Minimum Drive Coupling (rpm) | 2 | 2 |
| ALNICO Magnet (Gauss induction) | 12,800 | 12,800 |

Corning 1L and 3L Disposable Spinner Flasks



3561, 3563 1L and 3L Disposable Spinner Flasks, Flat Cap

- ▶ Vessel and Impeller are constructed of USP Class VI and ISO 10993-18 compliant materials.
- ▶ All Corning Disposable Spinner Flasks, Aseptic Transfer Caps and replacement caps have the highest standard Sterility Assurance Level (SAL) of 10⁻⁶.
- ▶ Assembled in a Class 10,000 clean room
- ▶ Gamma-irradiated. Product meets USP XXIV: 71 Bacteriostasis, Fungistasis and Sterility Standards.
- ▶ Each system is supplied individually double bagged.
- ▶ Vented, solid cap, and preassembled Closed System Solution vessels available
- ▶ Replacement caps and Aseptic Transfer Caps also sold separately
- ▶ Preassembled Closed System Solution vessels have one aseptic connector assembled to one side arm. Opposite side arm has a solid cap.
- ▶ Three-year shelf life from date of manufacture

Technical Specifications

| Parameter | 1L (Cat. No. 3561) | 3L (Cat. No. 3563) |
|---------------------------|-----------------------|-----------------------|
| Vessel Height | 245 mm | 259 mm |
| Vessel Diameter | 137 mm | 188 mm |
| Vessel Width | 203 mm | 256 mm |
| Sidearm Opening (ID) | 39 mm | 39 mm |
| Sidearm Cap Diameter (OD) | 54 mm (GL 45 Threads) | 54 mm (GL 45 Threads) |
| Paddle Size (W x H) | 69 x 215 mm | 105 x 227 mm |
| Maximum Drive Speed | 150 rpm | 150 rpm |
| Magnet | ALNICO | ALNICO |

Corning® Disposable Spinner Flasks Ordering Information

Corning 125 and 500 mL Disposable Spinner Flasks



3153 500 mL Disposable Spinner Flask

| Cat. No. | Description | Capacity (mL) | Center Neck (mm) | Sidearm Neck (mm) | Qty/Cs |
|----------|------------------------------------|---------------|------------------|-------------------|--------|
| 3152 | Disposable Spinner Flask | 125 | 70 | 25 | 12 |
| 3153 | Disposable Spinner Flask | 500 | 100 | 45 | 12 |
| 3578 | Disposable Spinner Flask, Vent Cap | 500 | 100 | 45 | 12 |

Replacement Caps and Aseptic Transfer Caps

| Cat. No. | Description | Compatible with Cat. No. | Qty/Cs |
|----------|--|------------------------------|--------|
| 3567 | Vent Cap, 0.2 µm Pore | 3153, 3561, 3580, 3563, 3581 | 4 |
| 3568 | Flat Cap | 3153, 3561, 3580, 3563, 3581 | 4 |
| 3565 | Side Arm Aseptic Transfer Cap, 1/8" Dip Tube with 0.2 µm Pore, Vent, MLL* | 3153 | 2 |
| 3528 | Side Arm Aseptic Transfer Cap, 1/4" Dip Tube with 0.2 µm Pore, Vent, MPC** | 3153 | 2 |



3580, 3581 1L and 3L Disposable Spinner Flasks with Vent Cap

Corning 1L and 3L Disposable Spinner Flasks

| Cat. No. | Description | Capacity (L) | Qty/Cs |
|----------|------------------------------------|--------------|--------|
| 3561 | Disposable Spinner Flask, | 1 | 6 |
| 3580 | Disposable Spinner Flask, Vent Cap | 1 | 6 |
| 3563 | Disposable Spinner Flask | 3 | 4 |
| 3581 | Disposable Spinner Flask, Vent Cap | 3 | 4 |

Replacement Caps and Aseptic Transfer Caps

Corning Disposable Spinner Flask Aseptic Transfer Caps are available separately. Each arrive sterile and individually doubled bagged. Caps are available for 500 mL, 1L and 3L flask sizes.



3546, 3559 1L and 3L Disposable Spinner Flasks, MPC Quick Connect

| Cat. No. | Description | Compatible with Cat. No. | Qty/Cs |
|----------|--|------------------------------|--------|
| 3567 | Vent Cap, 0.2 µm Pore | 3153, 3561, 3580, 3563, 3581 | 4 |
| 3568 | Flat Cap | 3153, 3561, 3580, 3563, 3581 | 4 |
| 3562 | Side Arm Aseptic Transfer Cap, 1/8" Dip Tube with 0.2 µm Pore, Vent, MLL* | 3561 | 2 |
| 3545 | Side Arm Aseptic Transfer Cap, 1/4" Dip Tube with 0.2 µm Pore, Vent, MPC** | 3561 | 2 |
| 3564 | Side Arm Aseptic Transfer Cap, 1/8" Dip Tube with 0.2 µm Pore, Vent, MLL* | 3563 | 2 |
| 3558 | Side Arm Aseptic Transfer Cap, 1/4" Dip Tube with 0.2 µm Pore, Vent, MPC** | 3563 | 2 |

Preassembled Closed System Solution Disposable Spinner Flasks

Preassembled Flasks have one aseptic connector preassembled to one side arm. Opposite side arm has a flat cap.



3569, 3579 1L and 3L Disposable Spinner Flasks, Luer Lock

| Cat. No. | Description | Capacity (L) | Preassembled with One Aseptic Transfer Cap Cat. No. | Qty/Cs |
|----------|--|--------------|---|--------|
| 3569 | Disposable Spinner Flask, Preassembled | 1 | 3562 | 6 |
| 3546 | Disposable Spinner Flask, Preassembled | 1 | 3545 | 6 |
| 3579 | Disposable Spinner Flask, Preassembled | 3 | 3564 | 4 |
| 3559 | Disposable Spinner Flask, Preassembled | 3 | 3558 | 4 |

*Male luer lock

**Medical grade polycarbonate



3565, 3562 and 3564 Aseptic Transfer Cap, Luer Lock



3528, 3545 and 3558 Aseptic Transfer Cap, MPC Quick Connect



3568 Flat Cap



3567 Vent Cap

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