

Diamond Advance™ ultralight high-performance pipettor

The Diamond Advance™ is a high precision, fully autoclavable air displacement pipettor. The Advance is made from chemically resistant materials that provide consistent performance and a long service life. The Advance is simple to operate, light weight and extremely comfortable to use by both right and left handed users. Utilizing an elastomer grip, fatigue of the hands and fingers is minimized. The unique padding minimizes the transfer of body heat to the pipette, resulting in consistent accuracy. Each pipettor is color coded for quick volume identification. The pipettors are calibrated in an ISO 17025 accredited laboratory and are offered with a 3 year warranty.

The Diamond Advance pipettor line is available in single channel, 8-channel and 12-channel models.

- Fully autoclavable and UV resistant
- 3 year warranty
- Light-weight and ergonomic design
- Two step plunger operation allows you to use both forward and reverse pipetting techniques
- Precise adjustment of dispensing volume
- Tip ejector

**FULLY
AUTOCLAVABLE**



Item #3348
Carousel stand holds up to 6 Diamond Advance single channel pipettors. Sold separately.

DiamondAdvance™ Multi-Channel

The Diamond Advance™ 8-channel and 12-channel pipettors are simple to operate, light weight and extremely comfortable to use. They feature a 360° rotating manifold which provides universal right or left hand use. Utilizing an elastomer grip, fatigue of the hands and fingers is minimized. The unique padding minimizes the transfer of body heat to the pipette, resulting in consistent accuracy. Each pipettor is color coded for quick volume identification. The pipettors are calibrated in an ISO 17025 accredited laboratory and are offered with a 3 year warranty.

- Removable, fully autoclavable manifold
- Each channel is calibrated individually
- 3 year warranty
- Light-weight and ergonomic design
- Precise adjustment of dispensing volume
- Tip ejector



Single Channel/Adjustable Volume

| Item # | Volume (µl) | Increments (µl) | Color | Tip Group* |
|------------|-------------|-----------------|----------|------------|
| 3341-1 | 0.1-2.5 | 0.002 | Red | A |
| 3341-10 | 0.5-10 | 0.02 | Red | A |
| 3341-20 | 2-20 | 0.02 | Red | A |
| 3341-50 | 5-50 | 0.1 | Yellow | B |
| 3341-100 | 10-100 | 0.1 | Blue | B |
| 3341-200 | 20-200 | 0.2 | Lavender | B |
| 3341-1000 | 100-1000 | 1 | Orange | C |
| 3341-5000 | 500-5000 | 10 | Green | D |
| 3341-10000 | 1000-10000 | 20 | Green | F |

Single Channel/Fixed Volume

| Item # | Volume (µl) | Color | Tip Group* |
|------------|-------------|----------|------------|
| 3342-2 | 2.5 | Red | A |
| 3342-5 | 5 | Red | B |
| 3342-10 | 10 | Red | B |
| 3342-20 | 20 | Yellow | B |
| 3342-25 | 25 | Yellow | B |
| 3342-50 | 50 | Blue | B |
| 3342-100 | 100 | Lavender | B |
| 3342-200 | 200 | Lavender | B |
| 3342-250 | 250 | Orange | C |
| 3342-500 | 500 | Orange | C |
| 3342-1000 | 1000 | Green | C |
| 3342-2000 | 2000 | Green | D |
| 3342-5000 | 5000 | Green | D |
| 3342-10000 | 10000 | Green | F |

8-Channel/Adjustable Volume

| Item # | Volume (µl) | Increments (µl) | Color | Tip Group* |
|----------|-------------|-----------------|----------|------------|
| 3344-10 | 0.5-10 | 0.02 | Red | A |
| 3344-20 | 2-20 | 0.02 | Yellow | A |
| 3344-50 | 5-50 | 0.1 | Yellow | B |
| 3344-100 | 10-100 | 0.1 | Blue | B |
| 3344-200 | 20-200 | 0.2 | Lavender | B |
| 3344-300 | 30-300 | 0.2 | Orange | B |

12-Channel/Adjustable Volume

| Item # | Volume (µl) | Increments (µl) | Color | Tip Group* |
|----------|-------------|-----------------|----------|------------|
| 3345-10 | 0.5-10 | 0.02 | Red | A |
| 3345-20 | 2-20 | 0.02 | Yellow | A |
| 3345-50 | 5-50 | 0.1 | Yellow | B |
| 3345-100 | 10-100 | 0.1 | Blue | B |
| 3345-200 | 20-200 | 0.2 | Lavender | B |
| 3345-300 | 30-300 | 0.2 | Orange | B |

*Refer to Pipette Tip Selection Guide on pages 3 & 4. Use the Tip Group Code to choose a suitable pipette tip.

TIP SELECTION GUIDE FOR DIAMOND ADVANCE™, DIAMOND PRO™ AND DIAMOND PIPETTORS

| Tip Group | Item# | Volume | Color | Sterility | Package Type | Unit |
|-----------|---|-----------|---------|-------------|-----------------|------|
| A | General Purpose Micro Tips (Graduated) | | | | | |
| | 151154 | 0.1-10 µl | Natural | Non-Sterile | 1000 Tip Bag | 1000 |
| | 151154R-96 | 0.1-10 µl | Natural | Non-Sterile | 96 Tip Rack | 960 |
| | 151154RF | 0.1-10 µl | Natural | Non-Sterile | Reloading Stack | 960 |
| | 151154RS-96 | 0.1-10 µl | Natural | Sterile | 96 Tip Rack | 960 |
| | General Purpose Micro Tips - Extended Length (Graduated) | | | | | |
| | 151156 | 0.1-10 µl | Natural | Non-Sterile | 1000 Tip Bag | 1000 |
| | 151156R-96 | 0.1-10 µl | Natural | Non-Sterile | 96 Tip Rack | 960 |
| | 151156RF | 0.1-10 µl | Natural | Non-Sterile | Reloading Stack | 960 |
| | 151156RS-96 | 0.1-10 µl | Natural | Sterile | 96 Tip Rack | 960 |
| | 151145 | 0.1-20 µl | Natural | Non-Sterile | 1000 Tip Bag | 1000 |
| | 151145R-96 | 0.1-20 µl | Natural | Non-Sterile | 96 Tip Rack | 960 |
| | 151145RF | 0.1-20 µl | Natural | Non-Sterile | Reloading Stack | 960 |
| | 151145RS-96 | 0.1-20 µl | Natural | Sterile | 96 Tip Rack | 960 |
| | Low Retention Micro Tips (Graduated) | | | | | |
| | 150030 | 0.1-10 µl | Natural | Non-Sterile | 1000 Tip Bag | 1000 |
| | 150030RS | 0.1-10 µl | Natural | Sterile | 96 Tip Rack | 960 |
| | 150030RFS | 0.1-10 µl | Natural | Sterile | Reloading Stack | 960 |
| | Low Retention Micro Tips - Extended Length (Graduated) | | | | | |
| | 150035 | 0.1-10 µl | Natural | Sterile | 1000 Tip Bag | 1000 |
| | 150035RS | 0.1-10 µl | Natural | Sterile | 96 Tip Rack | 960 |
| | 150035RFS | 0.1-10 µl | Natural | Sterile | Reloading Stack | 960 |
| | 150040 | 0.1-20 µl | Natural | Non-Sterile | 1000 Tip Bag | 1000 |
| | 150040RS | 0.1-20 µl | Natural | Sterile | 96 Tip Rack | 960 |
| | 150040RFS | 0.1-20 µl | Natural | Sterile | Reloading Stack | 960 |
| | Filter Tips, Low Retention (Graduated) | | | | | |
| | 150800 | 0.1-10 µl | Natural | Sterile | 96 Tip Rack | 960 |
| | 150803 | 0.1-10 µl | Natural | Sterile | 96 Tip Rack | 960 |
| 150805 | 0.1-20 µl | Natural | Sterile | 96 Tip Rack | 960 | |
| B | General Purpose Tips (Graduated) | | | | | |
| | 151150 | 1-200 µl | Natural | Non-Sterile | 1000 Tip Bag | 1000 |
| | 151150R-96 | 1-200 µl | Natural | Non-Sterile | 96 Tip Rack | 960 |
| | 151150RF | 1-200 µl | Natural | Non-Sterile | Reloading Stack | 960 |
| | 151150RS-96 | 1-200 µl | Natural | Sterile | 96 Tip Rack | 960 |
| | 151150Y | 1-200 µl | Yellow | Non-Sterile | 1000 Tip Bag | 1000 |
| | 151150YR-96 | 1-200 µl | Yellow | Non-Sterile | 96 Tip Rack | 960 |
| | 151150YRF | 1-200 µl | Yellow | Non-Sterile | Reloading Stack | 960 |
| | 151150YRS-96 | 1-200 µl | Yellow | Sterile | 96 Tip Rack | 960 |
| | 151151 | 1-300 µl | Natural | Non-Sterile | 1000 Tip Bag | 1000 |
| | 151151R-96 | 1-300 µl | Natural | Non-Sterile | 96 Tip Rack | 960 |
| | 151151RF | 1-300 µl | Natural | Non-Sterile | 96 Tip Rack | 960 |
| | 151151RS-96 | 1-300 µl | Natural | Sterile | 96 Tip Rack | 960 |

TIP SELECTION GUIDE FOR DIAMOND ADVANCE™, DIAMOND PRO™ AND DIAMOND PIPETTORS

| Tip Group | Item# | Volume | Color | Sterility | Package Type | Unit | |
|--|---|---|-------------|-------------|-----------------|--------------|------|
| B continued | Low Retention Tips (Graduated) | | | | | | |
| | 150050 | 1-200 µl | Natural | Non-Sterile | 1000 Tip Bag | 1000 | |
| | 150050RS | 1-200 µl | Natural | Sterile | 96 Tip Rack | 960 | |
| | 150050RFS | 1-200 µl | Natural | Sterile | Reloading Stack | 960 | |
| | 150051 | 1-300 µl | Natural | Sterile | 1000 Tip Bag | 1000 | |
| | 150051RS | 1-300 µl | Natural | Sterile | 96 Tip Rack | 960 | |
| | 150051RFS | 1-300 µl | Natural | Sterile | Reloading Stack | 960 | |
| | Filter Tips, Low Retention (Graduated) | | | | | | |
| | 150810 | 1-20 µl | Natural | Sterile | 96 Tip Rack | 960 | |
| | 150814 | 1-50 µl | Natural | Sterile | 96 Tip Rack | 960 | |
| | 150815 | 1-100 µl | Natural | Sterile | 96 Tip Rack | 960 | |
| | 150820 | 1-200 µl | Natural | Sterile | 96 Tip Rack | 960 | |
| | 150825 | 1-300 µl | Natural | Sterile | 96 Tip Rack | 960 | |
| | C | General Purpose Tips (Graduated) | | | | | |
| | | 151153 | 100-1250 µl | Natural | Non-Sterile | 1000 Tip Bag | 1000 |
| 151153R-96 | | 100-1250 µl | Natural | Non-Sterile | 96 Tip Rack | 576 | |
| 151153RF | | 100-1250 µl | Natural | Non-Sterile | Reloading Stack | 480 | |
| 151153RS-96 | | 100-1250 µl | Natural | Sterile | 96 Tip Rack | 576 | |
| 151153B | | 100-1250 µl | Blue | Non-Sterile | 1000 Tip Bag | 1000 | |
| 151153BR-96 | | 100-1250 µl | Blue | Non-Sterile | 96 Tip Rack | 576 | |
| 151153BRF | | 100-1250 µl | Blue | Non-Sterile | Reloading Stack | 480 | |
| 151153BRS-96 | | 100-1250 µl | Blue | Sterile | 96 Tip Rack | 576 | |
| 151158 | | 100-1300 µl | Natural | Non-Sterile | 500 Tip Bag | 500 | |
| 151158R-96 | | 100-1300 µl | Natural | Non-Sterile | 96 Tip Rack | 576 | |
| 151158RF | | 100-1300 µl | Natural | Non-Sterile | Reloading Stack | 576 | |
| 151158RS-96 | | 100-1300 µl | Natural | Sterile | 96 Tip Rack | 576 | |
| Low Retention Tips (Graduated) | | | | | | | |
| 150053 | | 100-1250 µl | Natural | Non-Sterile | 1000 Tip Bag | 1000 | |
| 150053RS | | 100-1250 µl | Natural | Sterile | 96 Tip Rack | 576 | |
| 150053RFS | | 100-1250 µl | Natural | Sterile | Reloading Stack | 480 | |
| 150058 | | 100-1300 µl | Natural | Sterile | 500 Tip Bag | 500 | |
| 150058RS | | 100-1300 µl | Natural | Sterile | 96 Tip Rack | 576 | |
| 150058RFS | | 100-1300 µl | Natural | Sterile | Reloading Stack | 576 | |
| Filter Tip, Low Retention (Graduated) | | | | | | | |
| 150835 | 1-1000 µl | Natural | Sterile | 96 Tip Rack | 576 | | |
| 150838 | 1-1250 µl | Natural | Sterile | 96 Tip Rack | 576 | | |
| D | General Purpose Tip (Non-Graduated) | | | | | | |
| | 151262 | 1000-5000 µl | Natural | Non-Sterile | 100 Tip Bag | 100 | |
| E | General Purpose Tip (Graduated) | | | | | | |
| | 151260 | 1000-5000 µl | Natural | Non-Sterile | 100 Tip Bag | 100 | |
| F | General Purpose Tip (Non-Graduated) | | | | | | |
| | 151267 | 1000-10,000 µl | Natural | Non-Sterile | 50 Tip Bag | 50 | |