



## Plastic Consumables and General Laboratory Equipment

<b>Micropipets, Tips, and Micro Test Tubes</b>	<b>404</b>
Pipets	404
Pipet Tips	405
Micro Test Tubes	409
Reservoirs, EIA Plates, and Additional Plastic Products	410
<b>General Laboratory Equipment</b>	<b>412</b>

# Micropipets, Tips, and Micro Test Tubes

For liquid-handling applications, Bio-Rad offers pipets, pipet tips, reagent reservoirs, 96-well EIA plates, and tubes.

## Pipets

A full set of high-precision micropipets is available for all your liquid handling needs.

### Micropipets and Accessories

#### Professional Micropipets

These adjustable-volume digital pipets deliver exceptional performance and are guaranteed to function efficiently and reliably for years. Micropipets are available in five volume ranges: 0.1–2.0, 0.5–10, 2–20, 20–200, and 100–1,000  $\mu\text{l}$ .

Micropipet features include:

- Adjustable digital dial with volume lock
- Improved ergonomic handle and tip ejector
- Accommodation of standard pipet tips and serological pipets
- 3-year warranty\*
- Fully autoclavable\*

\* Except pipet controller.

#### 8-Channel Professional Micropipet

These multichannel micropipets are ideal for use with standard 96-well formats. They have an adjustable working volume range of 5–50  $\mu\text{l}$  or 20–200  $\mu\text{l}$ . A volume lock feature will prevent any accidental volume changes. Along with its ergonomic handle for right- and left-hand use, the manifold can rotate 360° for added pipetting comfort. A curved ejector design pushes tips off in a single step with minimal applied force.

Each channel has an independent precision piston assembly to ensure accuracy and reproducibility from one pipetting series to the next as well as between channels. Each pipet has been tested and supplied with a certificate of quality and a calibration key. The multichannel pipet is fully autoclavable.

#### Professional Pipet Controller

This lightweight, ergonomic, cordless pipet controller can be used with all plastic or glass pipets between 0.1–100 ml. Single-hand operation is easy with two-button speed control for aspirating and dispensing. A large LCD display clearly indicates battery status, pipet mode, and pipet speed. The unit comes with a bench stand, wall mount, charger, and 0.45  $\mu\text{m}$  filter.

For More Information  
Web: [bio-rad.com/micropipets](http://bio-rad.com/micropipets)



Professional Micropipets

#### Professional Micropipet Specifications

	Volume Range, $\mu\text{l}$	Channels	Adjustable-Volume Increments, $\mu\text{l}$
P2	0.1–2.0	1	0.002
P10	0.5–10	1	0.02
P20	2–20	1	0.02
P200	20–200	1	0.2
P1000	100–1,000	1	2.0
8-channel, P50	5–50	8	0.2
8-channel, P200	20–200	8	0.2



8-Channel Professional Micropipet



Pipet Controller

## Professional Micropipet Set with Backpack

The professional micropipet set with backpack is a ready-to-go, complete set for those who need to start up a new lab or refresh lab equipment to meet their pipetting needs. This set comes with four professional micropipets (0.5–10, 2–20, 20–200, and 100–1,000  $\mu$ l), a round carousel pipet rack that can hold up to six single-channel micropipets, four racks of Bio-Rad pipet tips (TBR-14, -35, -40, and Prot/Elec™) for general lab use, and a Bio-Rad backpack.

## Carousel Pipet Rack

This round benchtop pipet rack holds up to six single-channel pipets.



Professional Micropipet Set with Backpack

## Ordering Information

Catalog #	Description
1660499	<b>Professional Micropipet</b> , adjustable volume, 0.1–2.0 $\mu$ l
1660505	<b>Professional Micropipet</b> , adjustable volume, 0.5–10 $\mu$ l
1660506	<b>Professional Micropipet</b> , adjustable volume, 2–20 $\mu$ l
1660507	<b>Professional Micropipet</b> , adjustable volume, 20–200 $\mu$ l
1660508	<b>Professional Micropipet</b> , adjustable volume, 100–1,000 $\mu$ l
1660496	<b>Professional Micropipet</b> , 8-channel, adjustable volume, 5–50 $\mu$ l
1660495	<b>Professional Micropipet</b> , 8-channel, adjustable volume, 20–200 $\mu$ l
1660486	<b>Professional Micropipet Set with Backpack</b> , set includes 4 professional series micropipets: P10, P20, P200, P1000, carousel pipet rack, 4 racks of pipet tips (TBR-14, -35, -40, Prot/Elec), and Bio-Rad backpack
1660490	<b>Professional Pipet Controller</b> , 120 V, 0.1–100 ml, includes bench stand, charger, wall mount, 0.45 $\mu$ m filter
1660491	<b>Professional Pipet Controller</b> , 220 V, 0.1–100 ml, includes bench stand, charger, wall mount, 0.45 $\mu$ m filter
1660487	<b>Carousel Pipet Rack</b> , holds 6 single-channel micropipets

## Pipet Tips

Bio-Rad's pipet tips are made from virgin polypropylene and have been accurately molded for an airtight fit. The tips are guaranteed to have a smooth interior surface, which is essential for precision pipetting.

- Tips and racks are autoclavable at 120°C at 15 lb of pressure for 15 min; tips presterilized by e-beam irradiation are also available
- All materials used in both clear and colored pipet tips have been formulated without heavy metals
- Xcluda™ pipet tips have been independently tested and certified to be free of DNase, RNase, and pyrogens
- Pipet tip racks are manufactured from polypropylene, with a plastic content code of 5, and are free of labels for convenient recycling

### Tip Selection Guide

Pipet Type	Tip Type	Pipet Type	Tip Type
<b>Bio-Rad Professional</b>		<b>Oxford Benchmate</b>	
0.1–2.0 µl	Xcluda™ A, Seque/Pro™, BR-14, TBR-14	0.5–10 µl	Seque/Pro, Xcluda A, 14
0.5–10 µl	Xcluda A, Seque/Pro, BR-31, TBR-14	10–50 µl	Xcluda J, 35, 37–39
2–20 µl	Xcluda B, Prot/Elec™, BR-35, TBR-35	40–200 µl	Prot/Elec, Xcluda C, D, G, 35, 37–39
20–200 µl	Xcluda D, Prot/Elec, MTP-26, -35, -37, -38, MTP-28-S, BR-35, -37, -38, -39, TBR-35	200–1,000 µl	Xcluda E
100–1,000 µl	Xcluda H, BR-40, 41, TBR-40, -41	<b>Rainin Pipetman and EDP Series</b>	
<b>Costar (8-Pette, 12-Pette)</b>		0.1–10 µl	Seque/Pro, Xcluda F, 31
20–200 µl	28	2–20 µl	Prot/Elec, Seque/Pro, Xcluda B, 31, 35, 37–39
25–200 µl	28	10–100 µl	Prot/Elec, Xcluda C and G, 35, 37–39
<b>Eppendorf</b>		20–200 µl	Prot/Elec, Xcluda D, 35, 37–39
0.5–10 µl	Seque/Pro, Xcluda F, 31	100–1,000 µl	Xcluda E, 40, 41
2–20 µl	Prot/Elec, Xcluda B, 14, 35, 37–39	<b>Socorex</b>	
10–100 µl	Prot/Elec, Xcluda C and G, 35, 37–39	0.5–10 µl	Seque/Pro
50–250 µl	39, 40, 41	1–200 µl	Prot/Elec, 35, 37–39
100–1,000 µl	Xcluda H, 41	200–1,000 µl	40, 41
<b>Excalibur</b>		<b>Titertek Flow</b>	
1–200 µl	Prot/Elec, 35, 37–39	5–200 µl	26
200–1,000 µl	40, 41	5–300 µl	Xcluda D
<b>Thermo Labsystems Finnpipette</b>		<b>Volac</b>	
5–40 µl	Prot/Elec, Xcluda B, C, G, 35, 37–39	1–20 µl	Prot/Elec, 31, 35, 37–39
40–200 µl	Prot/Elec, Xcluda C and G, 35, 37–39	1–200 µl	Prot/Elec, 35, 37–39
200–1,000 µl	Xcluda E	200–1,000 µl	40, 41

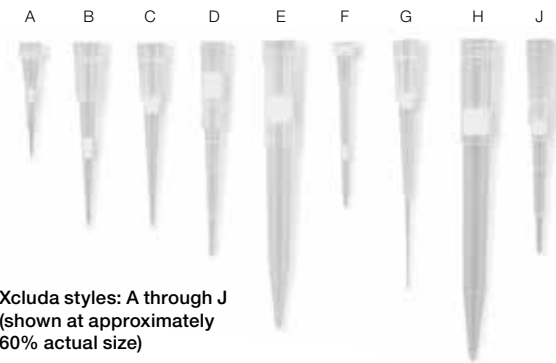
### See Also

Thermal cyclers for PCR: page 357.  
Real-time PCR systems: page 361.

### Xcluda™ Aerosol Barrier Pipet Tips

Xcluda aerosol barrier pipet tips guard against aerosol contamination of samples, a feature of particular importance in PCR experiments. The barrier will not seal on contact with liquid if unintentional overpipetting occurs, which protects samples from accidental loss. Offered in nine different styles, the tips fit a variety of pipets. They are available presterilized in fully enclosed racks and are independently tested and certified to be free of DNase, RNase, and pyrogens.

**For More Information**  
Web: [bio-rad.com/xcluda](http://bio-rad.com/xcluda)



Xcluda styles: A through J (shown at approximately 60% actual size)

### Ordering Information

Catalog #	Description
2112001	<b>Xcluda Style A</b> , 0.5–10 µl, 960
2112006	<b>Xcluda Style B</b> , 2–20 µl, 960
2112011	<b>Xcluda Style C</b> , 10–100 µl, 960
2112016	<b>Xcluda Style D</b> , 20–200 µl, 960
2112021	<b>Xcluda Style E</b> , 100–1,000 µl, 960
2112026	<b>Xcluda Style F</b> , 0.5–10 µl, 1,000
2112031	<b>Xcluda Style G</b> , 10–100 µl, 1,000
2112036	<b>Xcluda Style H</b> , 100–1,000 µl, 1,000
2112041	<b>Xcluda Style J</b> , 10–100 µl, 960
1660491	<b>Professional Pipet Controller</b> , 220 V, 0.1–100 ml, includes bench stand, charger, wall mount, 0.45 µm filter
1660492	<b>Professional Pipet Controller</b> , 220 V for Australia, 0.1–100 ml, includes bench stand, charger, wall mount, 0.45 µm filter
1660487	<b>Carousel Pipet Rack</b> , holds 6 single-channel micropipets

**Pipet Tips for Gel Loading**

**Seque/Pro™ Capillary Pipet Tips**

Seque/Pro capillary pipet tips have an average OD of <0.3 mm, making them ideal for loading sequencing gels or IEF tube gels. Seque/Pro tips perform best when used with Eppendorf ultra micropipets (0.5–10 µl) and can also be used with Rainin Pipetman 10 and 20 µl pipets.



**Prot/Elec™ Pipet Tips**

Prot/Elec tips fit easily within a gap of 0.75 mm between vertical slab gel plates while maintaining a large bore for fast sample flow. The 200 µl capacity tips are molded to fit Rainin Pipetman 20, 100, and 200 pipets and Eppendorf 20 and 100 µl pipets. Prot/Elec tips are also available with an aerosol barrier to guard against airborne contaminants and cross-contamination of samples (see Xcluda style G).



**For More Information**  
 Web: [bio-rad.com/gelloading](http://bio-rad.com/gelloading)  
 Request or download bulletin: 5676

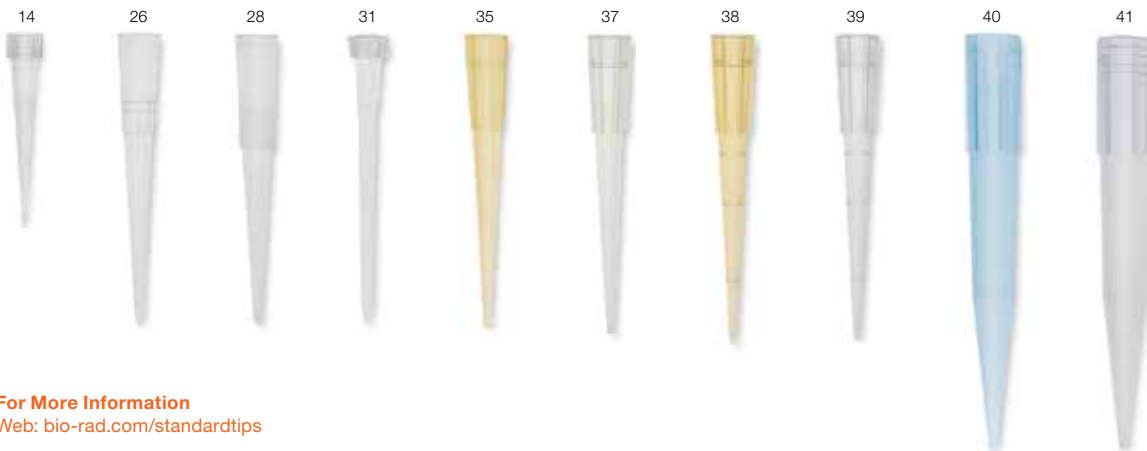
**See Also**

Vertical electrophoresis systems: page 184.

**Ordering Information**

Catalog #	Description
2239911	<b>Seque/Pro Capillary Pipet Tips</b> , in enclosed autoclavable rack, 0.5–10 µl, 200
2239912	<b>Seque/Pro Capillary Pipet Tips</b> , sterilized in enclosed rack, 0.5–10 µl, 200
2239915	<b>Prot/Elec Pipet Tips</b> , bulk pack, plastic bag in dust-free box, 1–200 µl, 1,000
2239917	<b>Prot/Elec Pipet Tips</b> , racked, 12 x 17 format, 204 per rack with a cover on each rack, 1–200 µl, 1,020
2239916	<b>Prot/Elec Pipet Tips</b> , racked, 8 x 12 format, 96 per rack with a cover on each rack, 1–200 µl, 960

**Standard Pipet Tips**



**For More Information**  
 Web: [bio-rad.com/standardtips](http://bio-rad.com/standardtips)

**See Also**

PCR tubes: page 389.

**Tip Packaging Options**

Packaging Option	Standard Tip Type Number									
	14	26	28	31	35	37	38	39	40	41
BR	•		•	•	•	•	•	•	•	•
RBR					•					
TBR	•				•				•	•
MTP		•			•	•	•			
MTP-S (sterilized)			•		•	•	•			

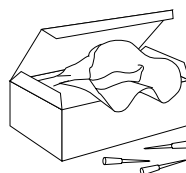
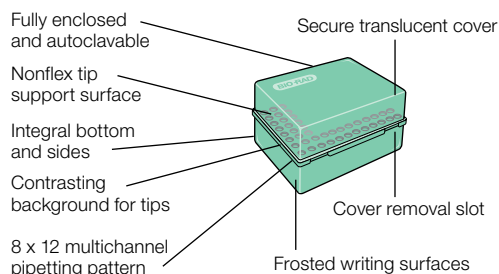
# Micropipets, Tips, and Micro Test Tubes

## Pipet Tips

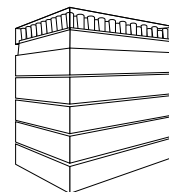
bio-rad.com/pipettips

### MTP

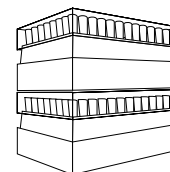
8 x 12 format, enclosed, nonflex racks are suitable for repeated reloading and autoclaving. Racked tips are also available presterilized.



**BR**  
Bulk tips, plastic bag in a dust-free box.



**RBR**  
Racked tips, one cover on a stack of nested racks.



**TBR**  
Ideal for autoclaving, each rack has its own lid and covered bottom for full enclosure.

### Ordering Information

Catalog #	Description
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#### MTP 8 x 12 Format, Enclosed Racks

2239301	MTP-26 Tips, clear, 5–200 µl, 960
2239303	MTP-35 Tips, yellow, 1–200 µl, 960
2239304	MTP-37 Tips, clear, 1–200 µl, 960
2239313	MTP-38 Tips, yellow, graduated, beveled, 1–200 µl, 960

#### MTP-S 8 x 12 Format, Enclosed Racks, Presterilized\*

2239307	MTP-28-S Tips, clear, 25–200 µl, 960
2239308	MTP-35-S Tips, yellow, 1–200 µl, 960
2239309	MTP-37-S Tips, clear, 1–200 µl, 960
2239318	MTP-38-S Tips, yellow, graduated, beveled, 1–200 µl, 960

#### BR Bulk Tips

2239014	BR-14 Tips, clear, 0.1–10 µl, 1,000
2239028	BR-28 Tips, clear, 25–200 µl, 1,000
2239031	BR-31 Tips, clear, 0.5–10 µl, 1,000
2239035	BR-35 Tips, yellow, 1–200 µl, 1,000
2239037	BR-37 Tips, clear, 1–200 µl, 1,000
2239038	BR-38 Tips, yellow, graduated, beveled, 1–200 µl, 1,000
2239039	BR-39 Tips, clear, graduated, beveled, 1–200 µl, 1,000
2239040	BR-40 Tips, blue, 100–1,000 µl, 500
2239041	BR-41 Tips, clear, 100–1,000 µl, 500

#### RBR Racked Tips, One Cover on Nested Racks

2239135	RBR-35 Tips, yellow, 1–200 µl, 1,000
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#### TBR Racked Tips, Cover on Each Rack

2239354	TBR-14 Tips, clear, 0.1–10 µl, 1,000
2239347	TBR-35 Tips, yellow, 1–200 µl, 1,000
2239350	TBR-40 Tips, blue, 100–1,000 µl, 1,000
2239351	TBR-41 Tips, clear, 100–1,000 µl, 1,000

\* Presterilized racks and polyethylene plugs are not suitable for autoclaving. Order unsterilized racks to reload tubes and autoclave.

## Micro Test Tubes

### Titertube® Micro Test Tubes

Tubes and racks are made of polypropylene; they are autoclavable to 120°C and freezable to -80°C. The polyethylene plugs, which seal tightly for storage, are not designed for repeated use and cannot be autoclaved. The tubes are offered in sterile and unsterilized strips of eight, which may be cut to separate the tubes. Titertube micro test tubes have:

- 1 ml capacity, 8.8 x 45 mm
- Spacing that matches 96-well plates
- Enclosed racks that stack to store 5,800 samples/ft<sup>3</sup>
- Racks with a grid for identification of contents



For More Information  
Web: [bio-rad.com/titertube](http://bio-rad.com/titertube)

### Ordering Information

Catalog #	Description
2239390	<b>Titertube Micro Test Tubes</b> , unsterilized, 10 racks of 96 tubes
2239395*	<b>Titertube Micro Test Tubes</b> , presterilized, 10 racks of 96 tubes
2239391	<b>Titertube Micro Test Tubes</b> , unsterilized, bulk, 1,000
2239393	<b>Titertube Plugs</b> , unsterilized, 960 in 120 strips of 8
2239392*	<b>Titertube Plugs</b> , presterilized, 960 in 120 strips of 8
2239394	<b>Titertube Rack</b> , empty, holds 96 Titertube micro test tubes, 10

\* Presterilized racks and polyethylene plugs are not suitable for autoclaving. Order unsterilized racks to reload tubes and autoclave.

### EZ Micro™ and Standard Micro Test Tubes

EZ Micro graduated polypropylene test tubes have a frosted marking area and a flat top that is pierceable by a 19 gauge or thicker needle. Standard polypropylene micro test tubes are recommended for solvent extraction and heating when a very tight cap seal is required. Because of their tighter cap fit, standard tubes may be more difficult to manipulate in applications that require repeated opening and closing of the tubes. Separate polyethylene caps for the 1.5 ml capless tubes have a knurled top for easy handling.

For More Information  
Web: [bio-rad.com/ezmicro](http://bio-rad.com/ezmicro)  
Request or download bulletin: 5676

The micro test tubes are:

- Suitable for general-purpose benchtop centrifuge use; sturdy uniform walls easily withstand up to 13,000 x g
- Autoclavable\* to 120°C; freezable to -80°C
- Available in 2 ml, 1.5 ml, and 500 µl sizes



\*1.5 ml Colored Microcentrifuge Tubes are not autoclavable.



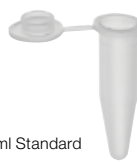
500 µl EZ Micro



1.5 ml EZ Micro



2 ml EZ Micro



1.5 ml Standard



1.5 ml Capless

## Micropipets, Tips, and Micro Test Tubes

### Reservoirs, EIA Plates, and Additional Plastic Products

bio-rad.com/microtesttube

#### Ordering Information

Catalog #	Description
2239503	<b>EZ Micro Test Tubes</b> , 500 µl, clear, 1,000
2239480	<b>EZ Micro Test Tubes</b> , 1.5 ml, clear, 500
2239430*	<b>EZ Micro Test Tubes</b> , 2 ml, clear, 500
2239501	<b>Micro Test Tubes</b> , standard, 1.5 ml, clear, 500
2239500	<b>Micro Test Tubes</b> , capless, 1.5 ml, polypropylene, clear, graduated, 500
2239490	<b>Separate Caps</b> , for capless micro test tubes, white, 1,000
1660473	<b>Colored Microcentrifuge Tubes</b> , 1.5 ml, 6 colors, 600

\* To fit centrifuges, 2 ml tubes have thinner walls than standard tubes and are intended for short runs at less than 13,000 x g. Heavy samples, high g forces, long runs, or centrifuges that radiate excessive heat may damage these tubes

#### Screwcap Micro Test Tubes

Screwcap micro test tubes and caps are made of polypropylene. O-rings are made of a blend of polyethylene and polypropylene. Features include:

- O-ring operating range from -55 to 150°C
- Uniform walls for uniform heat transfer
- Conical bottoms for pellet collection
- Knurled caps for easy handling

#### For More Information

Web: [bio-rad.com/screwcap](http://bio-rad.com/screwcap)

Request or download bulletin: 5676



#### Ordering Information

Catalog #	Description
2240165	<b>0.5 ml Conical Tubes</b> , with installed O-ring screwcaps, sterilized, 500
2240185	<b>0.5 ml Skirted Tubes</b> , with installed O-ring screwcaps, sterilized, 500
2240100	<b>1.5 ml Conical Tubes</b> , with separate O-ring screwcaps, unsterilized, 500
2240110	<b>1.5 ml Conical Tubes</b> , with installed O-ring screwcaps, sterilized, 500
2240130	<b>2.0 ml Skirted Tubes</b> , with separate O-ring screwcaps, unsterilized, 500
2240140	<b>2.0 ml Skirted Tubes</b> , with installed O-ring screwcaps, sterilized, 500

## Reservoirs, EIA Plates, and Additional Plastic Products

#### See Also

PCR tubes:  
page 389.

ELISA reagents:  
page 332.

Microplate readers:  
page 330.

#### Reagent Reservoirs

Disposable reagent reservoirs are presterilized and compatible with multichannel pipets. Their sloping design enables effective liquid pickup. The 50 ml capacity is graduated to 25 ml in 5 ml increments.

#### For More Information

Web: [bio-rad.com/liquidhandling](http://bio-rad.com/liquidhandling)



#### Ordering Information

Catalog #	Description
2244872	<b>Sterilized Reagent Reservoirs</b> , graduated, polystyrene, 5 per package, box of 200



## 96-Well EIA Plates

For EIAs, ELISAs, and other protein-binding assays, use the Costar 96-well flat bottom EIA plate. This plate binds more protein more uniformly than any other plate.

**For More Information**  
Web: [bio-rad.com/liquidhandling](http://bio-rad.com/liquidhandling)

Costar 96-Well Flat Bottom EIA Plate



### Ordering Information

Catalog #	Description
2240096	Costar 96-Well Flat Bottom EIA Plates, polystyrene, 5 per package, box of 100

## Tube Racks and Storage Boxes

Bio-Rad plastic racks and storage units provide the ultimate in ease of storage and sample organization.

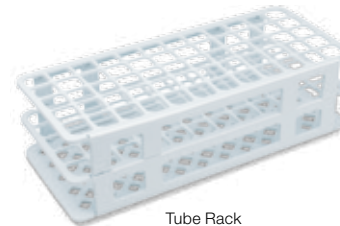
### Racks and Storage Box Selection Guide

	Capacity	Dimensions (W x D x H)
Green racks	80 x 1.5/2.0 ml tubes	6.1 x 23.1 x 2.7 cm
Tube racks	60 x 15 ml 24 x 50 ml	10.5 x 24.6 x 7.2 cm 11.0 x 30.0 x 8.5 cm
Storage boxes	100 x 1.5/2.0 ml tubes	14.2 x 14.2 x 5.5 cm

**For More Information**  
Web: [bio-rad.com/racks](http://bio-rad.com/racks)



Storage Boxes and Green Rack



Tube Rack

### See Also

Cuvettes:  
page 25.

### Ordering Information

Catalog #	Description
1660481	<b>Green Racks</b> , hold 80 x 1.5/2.0 ml tubes, set of 5
1660483	<b>Tube Racks</b> , hold 60 x 15 ml tubes, set of 5
1660484	<b>Tube Racks</b> , hold 24 x 50 ml tubes, set of 5
1660482	<b>Storage Boxes</b> , hold 100 x 1.5/2.0 ml tubes, set of 5, multicolored

## Additional Plastic Consumables

Bio-Rad now offers a wide selection of disposable plastic components for your everyday cell/bacterial culturing uses in the lab.

- **Petri dishes** — ready-to-use polystyrene cell and bacterial culture petri dishes, 60 mm diameter, sterile
- **Gel staining trays** — disposable plastic trays ideal for staining mini gels
- **Inoculation loops** — the loops are smooth and flexible, making it easy to achieve uniform and smooth streaking without damaging the agar surface. Using disposable inoculation loops eliminates the risk of cross-contamination due to improper sterilization and the loops do not need flaming, which reduces fire hazards in the laboratory; 10 µl, sterile
- **Jellyfish foam floating racks** — hold up to 12 microcentrifuge tubes, for use in cold and hot water baths
- **Disposable plastic transfer pipets** — polyethylene plastic pipet bulbs for liquid handling needs; sterile and nonsterile pipets are available
- **Conical centrifuge tubes** — 15 ml polypropylene conical tubes with volume graduations and screw caps
- **Cell culture tubes** — round bottom snap cap, culture tube, 14 ml, sterile



Gel Staining Trays



Petri Dishes



15 ml Conical Centrifuge Tubes



Jellyfish Foam Floating Rack



Disposable Plastic Transfer Pipets



Inoculation Loops



Cell Culture Tubes

### Ordering Information

Catalog #	Description
1660476	<b>Cell Culture Tubes</b> , 17 x 100 mm, 14 ml, sterile, 25
1660475	<b>Conical Centrifuge Tubes</b> , 15 ml, 50
1660470	<b>Petri Dishes</b> , 60 mm diameter, sterile, 500
1660471	<b>Inoculation Loops</b> , 10 µl, sterile, 80
1660474	<b>Disposable Plastic Transfer Pipets</b> , sterile, 1 ml, graduated, 500
1660480	<b>Disposable Plastic Transfer Pipets</b> , nonsterile, 1 ml, graduated, 500
1660477	<b>Gel Staining Trays</b> , 4
1660479	<b>Jellyfish Foam Floating Racks</b> , 8

# General Laboratory Equipment

### See Also

UView 6x loading dye: page 259.

## UView™ Transilluminator

Visualize your gel using the compact UView transilluminator.

**For More Information**  
Web: [bio-rad.com/uvview](http://bio-rad.com/uvview)



## Ordering Information

Catalog #	Description
1660531	UView Transilluminator

## Centrifuges

- **Mini centrifuge** — includes microtube and PCR strip tube rotors and 0.4 and 0.5 ml tube adaptors; the maximum speed is 6,000 rpm (2,000 x g)
- **Model 16K microcentrifuge** — accommodates 1.5 or 2.0 ml tubes and has a quick-spin feature; the maximum speed is 14,000 rpm (16,000 x g). Safe for coldroom operation
- **PCR tube adaptor for model 16K microcentrifuge** — holds two PCR 8-tube strips or 16 individual 0.2 ml tubes

### For More Information

Web: [bio-rad.com/centrifuges](http://bio-rad.com/centrifuges)



Model 16K Microcentrifuge  
(PCR tube adaptor sold separately)



Mini Centrifuge  
(includes PCR tube adaptor)

## Ordering Information

Catalog #	Description
1660603	Mini Centrifuge, 120 V
1660613	Mini Centrifuge, 220 V
1660623	Mini Centrifuge, 220 V (UK)
1660602	Model 16K Microcentrifuge, 120 V
1660612	Model 16K Microcentrifuge, 220 V
1660620	PCR Tube Adaptor, for model 16K microcentrifuge

## Mixing Devices

- **Mini rocker** — provides superior three-dimensional mixing action; gentle yet thorough rocking makes it ideal to use for western blot incubations and gel staining. Compact footprint requires minimal benchspace
- **Tube roller** — allows mixing of samples both horizontally and vertically. The compact design enables it to fit inside our mini incubation oven, making it ideal for mixing liquids while incubating. Comes with three interchangeable tube rotisseries to accommodate tubes from 1.5–50 ml. Compact footprint requires minimal benchspace
- **BR-2000 vortexer** — a general-purpose vortex mixer; a flathead dimpled adaptor is also available
- **UltraRocker™ rocking platform** — dual-platform rocker that can be used for staining and destaining gels and blots, Southern hybridization, and overnight incubation

### For More Information

Web: [bio-rad.com/mixingdevices](http://bio-rad.com/mixingdevices)



Mini Rocker



Tube Roller



BR-2000 Vortexer  
(flathead dimpled adaptor sold separately)



UltraRocker Rocking Platform

## See Also

Micro test tubes:  
page 409.

PCR tubes:  
page 389.

## Ordering Information

Catalog #	Description
1660710	<b>Mini Rocker</b> , 120 V, includes two blotting boxes
1660720	<b>Mini Rocker</b> , 230 V (EU/UK), includes two blotting boxes
1660711	<b>Tube Roller</b> , 120 V, includes 3 tube carousels for 1.5, 15, and 50 ml tubes
1660721	<b>Tube Roller</b> , 230 V, includes 3 tube carousels for 1.5, 15, and 50 ml tubes
1660722	<b>Tube Roller</b> , 230 V (UK), includes 3 tube carousels for 1.5, 15, and 50 ml tubes
1660610	<b>BR-2000 Vortexer</b> , 120 V
1660611	<b>BR-2000 Vortexer</b> , 230 V
1660621	<b>BR-2000 Vortexer</b> , 230 V (UK)
1660622	<b>Flathead Dimpled Adaptor</b> , for BR-2000 vortexer
1660709	<b>UltraRocker Rocking Platform</b> , 120 V
1660719	<b>UltraRocker Rocking Platform</b> , 230 V

## Temperature Control Equipment

- Digital dry bath** — digitally controlled dry bath that is ideal for a multitude of laboratory procedures where incubation of samples is needed. It is accurate, built for safe continuous operation, economical, and versatile. Comes with one aluminum alloy 1.5 ml heating block (24 x 1.5 ml capacity). Additional 0.5, 2.0, and 15 ml heating blocks with 24 x 0.5, 24 x 2.0, and 12 x 15 ml capacity, respectively, can be purchased separately; 15 ml dry bath block not shown
- Mini incubation oven** — can accommodate up to eighty 6.5 cm plates and operates at temperatures up to 60°C. Contains a rear port to allow insertion of our tube roller or mini rocker for temperature-controlled mixing
- Water bath** — temperature controlled, dependable, affordable water bath that includes stainless steel tank and lid, electrostatically applied finish that resists rust, corrosion, and scratches, over-temperature protection, and thermometer
- DyNA Chill cooler** — keeps samples (up to 12 in 1.5–2.0 ml microtubes) chilled. Simply cool the DyNA Chill cooler to the desired temperature overnight, then chill samples without the mess of an ice bucket



Digital Dry Bath



0.5 ml Dry Bath Block



2.0 ml Dry Bath Block



Mini Incubation Oven



Water Bath



DyNA Chill Cooler

### For More Information

Web: [bio-rad.com/tempcontrol](http://bio-rad.com/tempcontrol)

## Ordering Information

Catalog #	Description
1660562	<b>Digital Dry Bath</b> , 120 V, includes 1.5 ml heating block
1660563	<b>Digital Dry Bath</b> , 230 V (EU/UK), includes 1.5 ml heating block
1660565	<b>Digital Dry Bath Heating Block, 0.5 ml</b> , for 24 x 0.5 ml tubes
1660566	<b>Digital Dry Bath Heating Block, 2.0 ml</b> , for 24 x 2.0 ml tubes
1660567	<b>Digital Dry Bath Heating Block, 15 ml</b> , for 12 x 15 ml tubes
1660564	<b>DyNA Chill Cooler</b> , maintains sample temperature between –15°C and room temperature for up to 8 hr without ice
1660501	<b>Mini Incubation Oven</b> , 120 V
1660521	<b>Mini Incubation Oven</b> , 230 V
1660504	<b>Temperature-Controlled Water Bath</b> , 120 V
1660524	<b>Temperature-Controlled Water Bath</b> , 230 V
1660712	<b>Mini Incubation Oven and Mini Rocker</b> , 120 V
1660713	<b>Mini Incubation Oven and Tube Roller</b> , 120 V

## Subject Index

96-Well EIA Plates, 411  
Additional Plastic Consumables, 412  
Centrifuges, 413  
EZ Micro™ and Standard Micro Test Tubes, 409  
Micropipets and Accessories, 404  
Mixing Devices, 413  
Pipet Tips for Gel Loading, 407  
Reagent Reservoirs, 410  
Screwcap Micro Test Tubes, 410  
Standard Pipet Tips, 407  
Temperature Control Equipment, 414  
Titer tube® Micro Test Tubes, 409  
Tube Racks and Storage Boxes, 411  
UView™ Transilluminator, 412  
Xcluda™ Aerosol Barrier Pipet Tips, 406

