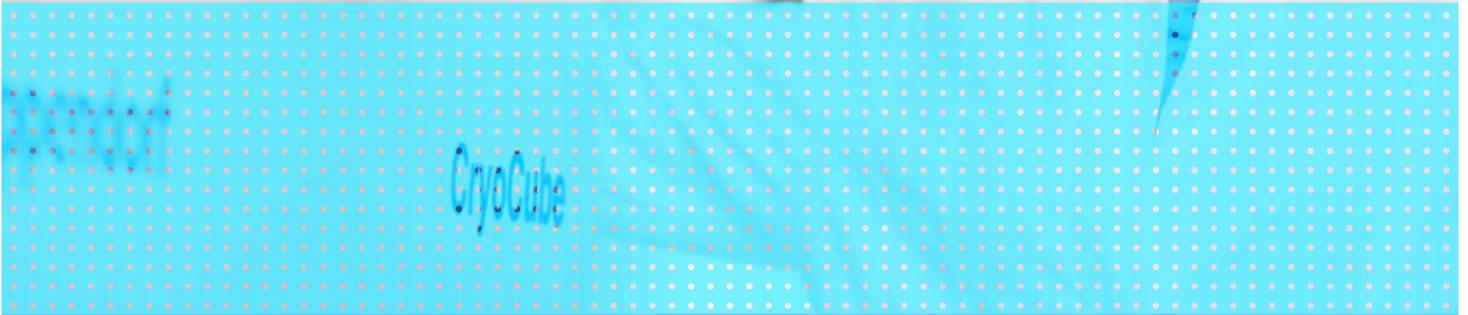


advantage

New Promotions January 1 – June 30, 2018



# Cool Savings

New special offers for all of your laboratory needs

# Eppendorf New Lab Start Up

## Congratulations on your new lab!

We know the hard work and dedication that goes into starting a new lab and we are eager to partner with you on this momentous occasion. Our mission has been to provide quality products and services that improve the day to day activities of our customers. With over 70 years of experience, partnering with Eppendorf means you can expect the very best in product quality, service, application, customer and technical support. It is our commitment to excellence that the products in your lab are easy to use, long lasting, and efficient all while providing you with reproducible results.

Our New Lab Start Up Program (NLSU) is designed to provide you with a 10 % credit of your total NLSU purchase. Your NLSU credit allows you to complement the products in your lab without having to compromise on product quality. Whether you're starting a new lab or expanding an existing one, the following checklist highlights many of the market-leading Eppendorf products available to assist you in your day to day activities.

To obtain your NLSU 10 % credit, simply contact your local Eppendorf sales representative and obtain a NLSU quote to complete your brand new lab with quality Eppendorf products.\*

- > Purchase at least \$17,500 worth of qualifying items\*
- > Contact your local sales representative for an expert consultation about all of your new lab needs

Offer valid from January 1, 2018 through June 30, 2018.

\*Expectation of a new lab start up is that multiple items will be needed to equip your lab and not just a single instrument. We reserve the right to limit or refuse credit based upon this expectation. epMotion® Liquid Handling Workstations; New Brunswick™ bioprocessing product lines; DASGIP® bioprocessing product lines, and Eppendorf Cell Technology micromanipulation and microinjection products do not qualify for credit and are excluded from this promotion. Maximum redemption value of \$10,000.

## Biological Shakers



- Open Air
- Incubated/Refrigerated

### Applications

- > Culture of bacteria, yeast, and fungus
- > Seed cultures for bioprocess scale-up

## CO<sub>2</sub> Incubators



- Galaxy® 48R
- Galaxy 170S/R
- Innova® S41i

### Applications

- > Traditional cell culture
- > Stem cell research
- > Oncology studies
- > Hypoxia studies

## Cell Culture and Cell Imaging Consumables



- Cell culture dishes
- Cell culture plates
- Cell culture flasks
- Cell imaging consumables

### Applications

- > Expansion of cell lines
- > Culturing of primary cells
- > Cell based assays
- > Cloning and single cell selection

# Eppendorf Product Selection Guide

## Freezers and Freezer Storage



- ❑ High Efficiency Freezers
- ❑ Upright ULT Freezers
- ❑ Chest ULT Freezers
- ❑ Storage Boxes

### Applications

- > Storage of biological samples
- > Storage of chemicals
- > Storage of serum
- > Long-term reagent storage

## Multipurpose Centrifuges



- ❑ 5920 R
- ❑ 5810/R
- ❑ 5804/R
- ❑ 5702/5702 R/5702 RH

### Applications

- > Large volume pelleting up to 4 x 1 L
- > Protein purification
- > Cell Culture

## Microcentrifuges



- ❑ 5430/5430 R
- ❑ 5427 R
- ❑ 5424/5424 R
- ❑ 5418/5418 R
- ❑ MiniSpin®/MiniSpin plus

### Applications

- > Bacterial pelleting
- > Nucleic acid purification
- > Protein purification

## Photometers



- ❑ BioPhotometer® D30
- ❑ BioSpectrometer® basic
- ❑ BioSpectrometer kinetic
- ❑ BioSpectrometer fluorescence

### Applications

- > Nucleic acid quantification
- > Protein quantification
- > Kinetic assays
- > Fluorescent based quantification

## PCR Cyclers



- ❑ Mastercycler® X50
- ❑ Mastercycler nexus
- ❑ Mastercycler nexus X2
- ❑ Heat sealer

### Applications

- > Standard and fast PCR
- > PCR optimization
- > Incubation
- > Plate heat sealing

## PCR Consumables



- ❑ twin.tec® consumables
- ❑ PCR strip tubes and caps
- ❑ Sealing film and foil
- ❑ Real-time PCR plates

### Applications

- > Automated PCR set up
- > End-point PCR and qPCR
- > NGS library preparation
- > cDNA synthesis

## Manual Pipettes



- ❑ Research plus
- ❑ Reference® 2
- ❑ Easypet® 3
- ❑ Biomaster®
- ❑ Maxipettor®

### Applications

- > Pipetting liquids
- > Mixing liquids
- > Pipetting of small volumes
- > Multichannel gel loading

## Electronic Pipettes



- ❑ Xplorer®/Xplorer plus
- ❑ epMotion® 96

### Applications

- > Pipetting liquids
- > Mixing liquids
- > Replication and filling of plates
- > Cell seeding and media change

## Dispenser



- ❑ Repeater® E3/E3x
- ❑ Repeater M4
- ❑ Varispenser® 2/2x
- ❑ Top buret™

### Applications

- > Repetitive dispensing
- > Pooling of supernatants
- > Dispensing difficult liquids
- > Titration

## Sample Preparation Instrument



- ❑ ThermoMixer®
- ❑ MixMate®
- ❑ Vacufuge® plus

### Applications

- > Plasmid/RNA/DNA purification
- > Restriction digestion
- > Reverse transcription
- > DNase digestion

## Tubes and Plates



- ❑ Microcentrifuge tubes
  - 0.5/1.5/2 mL
- ❑ 5.0 mL
- ❑ 15/50 mL conical
- ❑ Tube racks
- ❑ Storage & Reaction plates (DWP)
- ❑ Assay plates (MTP)
- ❑ DNA LoBind tubes and plates
- ❑ Protein LoBind tubes and plates

### Applications

- > Long and short term sample storage
- > Nucleic acid or protein sample preparation

## Liquid Handling Consumables



- ❑ epT.I.P.S.®
- ❑ ep Dualfilter T.I.P.S.®
- ❑ ep Dualfilter T.I.P.S. SealMax
- ❑ ep Dualfilter T.I.P.S. LoRetention
- ❑ Combitips advanced®
- ❑ Serologicals

### Applications

- > Handling aqueous and difficult liquids
- > Preventing aerosol contamination

## VWR Exclusive New Lab Start Up Offers

**OVER \$685 VALUE!** Get a **FREE ThermoTop™ Incubator Cover** PROMO CODE 5151 



**eppendorf**

**Buy an Eppendorf™ ThermoMixer™ C and Get a Complimentary ThermoTop™ Incubator Cover!**

The ThermoMixer C allows simultaneous heating and mixing of microtubes (0.5mL, 1mL and 2mL) and microplates.

Description	Cat. No.
Eppendorf ThermoMixer C, without SmartBlock	89428-662
<b>FREE Product</b>	
Eppendorf ThermoTop	89428-688

**\$154 VALUE!** Buy a **Pipette 4-Pack, Get a Carousel Stand FREE!** PROMO CODE 5125 



**eppendorf**

**Buy a Research Plus Pipette 4-pack, Get a Pipette Carousel Stand FREE!**

Rely on Eppendorf Research plus pipettes for the most ergonomic handling and accurate results day after day.

Description	Cat. No.
Research Plus 4-pack (2.5/10/100/1000)	89126-238
Research Plus 4-pack (2.5/20y/200/1000)	89126-240
Research Plus 4-pack (10/20y/200/1000)	76121-358
<b>FREE Product</b>	
Pipette Carousel	47735-680

**\$152 VALUE!** Buy a **5424 R and Get Safe-Lock Tubes FREE!** PROMO CODE 5152 



**eppendorf**

**Buy a 5424 R and Receive Two Complimentary Cases of 1.5 mL Eppendorf Safe-Lock Tubes**

Eppendorf 5424R (refrigerated) Microcentrifuge can hold up to 24 tubes and process at speeds up to 21,130 x g. This refrigerated model features state-of-the-art cooling technology for energy efficiency, temperature accuracy and sample protection. Choose an option that features twenty-four 1.5/ 2mL rotors or order an alternate rotor separately.

Description	Cat. No.
Centrifuge 5424 R, knob, with 24 x 1.5 mL Rotor	97058-916
<b>FREE Product</b>	
Eppendorf Safe-Lock Tubes, 0.5 mL, Eppendorf Quality, colorless, pack of 500	20901-505

\*Please visit [vwr.com](http://vwr.com) for additional available products.

**\$700 VALUE!** Get **FREE Tube Racks!** PROMO CODE 5126 



**eppendorf**

**Buy an Eppendorf Repeater M4 and Get 6 of Our Newly Optimized Tube Racks FREE!**

The Repeater M4 makes repetitive liquid dispensing effortless, efficient, and highly accurate with its positive displacement methodology. Optimize your workflow when you use the M4 with tubes sitting in our newly redesigned user-friendly tube racks.

Description	Cat. No.
Repeater M4, with Combipip Rack and Combipip assortment pack	10054-496
<b>FREE Product</b>	
Eppendorf Tube Rack, 48 Positions, for 0.5mL tubes, 2pcs	76181-440

\*Please visit [vwr.com](http://vwr.com) for additional available products.  
TERMS: Tube racks must be redeemed online.

**\$2,047 VALUE!** Get a **Research Plus Pipette Three-Pack FREE!** PROMO CODE 5153 



**eppendorf**

**Purchase a New Brunswick™ I-26 or I-26R Shaker and Receive a Universal Platform and Research Plus Pipette 3-pack FREE!**

Stackable, I26 incubated and I26R incubated/refrigerated shakers feature the cast iron Eppendorf triple-eccentric counterbalanced drive, offering excellent performance at a value price. Shaker bundles include universal platform.

Description	Cat. No.
I-26 Incubated Shaker with Universal Platform	89176-150
I-26R Incubated Refrigerated Shaker with Universal Platform	89176-152
<b>FREE Product (Eppendorf Research™ Plus Pipette 3-Pack Options)</b>	
Option 1: 0.5-10 µL, 10-100 µL, 100-1,000 µL	89131-966
Option 2: 2-20 µL yellow, 20-200 µL, 100-1,000 µL	89131-968
Option 3: 100-1,000 µL, 0.5-5 mL, 1-10 mL	89131-970

TERMS: Platform will be shipped with order. Research plus 3-pack must be redeemed online.



## Cool Savings!

<b>Offers</b>	<b>Page No.</b>
New Products	8
Pipette Pick-a-Packs. Save up to 23 %.	10
All-You-Need Pipette Bundle Offer. Save up to 35 %.	12
Electronic Pipettes and Holder System Offer. Save up to 33 %.	14
Maxipettor® Starter Pack. Save 34 %.	16
Eppendorf Combitips advanced®. Save 20 %.	17
epT.I.P.S.® Starter Pack. Save 22 %.	18
Ultra-low Temperature Freezer Offers. Save up to 21 %.	19
Introducing the NEW Eppendorf CryoCube® F740-series	20
Mastercycler® X50 Offers. Network and Save up to 17 %.	22
Mastercycler nexus Offers. Network and Save up to 30 %.	24
Eppendorf twin.tec® PCR Plates. Save 20 %.	25
Biological Shaker Offers. Save up to 21 %.	26
Centrifuge 5430/5430 R Offers. Save up to 21 %.	27
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Eppendorf CO <sub>2</sub> Incubator Offer. Save up to 19 %.	33
Cell Culture Consumables Offer. Save 50 %.	34

# Why Cool Savings?

## Meet the F740

The newest Eppendorf ULT freezers, the CryoCube F740-series, combine decades of experience in cold storage technology with the quality of design and construction for which Eppendorf is known. The tremendous advancements in features and benefits translate into real cost savings, including:

- > Increased capacity, holding 14 % more boxes than its predecessor in the same footprint without sacrificing wall thickness—meaning there is no trade-off of insulation for space.
- > Lower power consumption, as much as 36 % less than the previous Eppendorf New Brunswick models, and nearly half the power consumption of other traditional ULT freezers. There's no special mode needed—you get full performance while reducing the electricity used by your lab
- > Faster pulldown and recovery, an empty freezer can go from 20 °C to –80 °C in as little as 4 hours and 10 minutes, and a stocked freezer can fully recover from a door opening in as little as 15 minutes. This means no downtime waiting for a new freezer to reach temperature and a more reliable and uniform temperature.
- > Sample security is our first priority. Not only do we offer outstanding temperature uniformity and fast recovery, but the combination of vacuum insulated paneling and traditional polyurethane foam means that your samples stay cold. With a flat, frost-resistant outer door seal, insulated inner doors with gaskets, optional electronic locking with PIN/password protection and CO<sub>2</sub>/LN<sub>2</sub> backup systems, and a warm-up time to 0 °C of up to 45 hours, we understand that your samples have a value that you cannot put a price on.



## New Products



### F740hi

Go green with the CryoCube® F740hi ULT Freezer, which combines the efficiency of natural hydrocarbon refrigerants with the security, quality, and reliability offered by Eppendorf. Our new advanced interface touchscreen allows temperature and event logging, and an electronic locking mode with PIN access can be enabled for additional security. Remote monitoring will be available through new VisioNize software.



### Varispenser 2/2x

Make larger volume dispensing (0.2–100 mL) safe and accurate with the Varispenser 2 and 2x. Reduce costly reagent loss by dispensing straight from the reagent bottle, no spills or messes. Additionally, the Varispenser 2x's recirculation valve prevents further reagent loss when priming the system. And their high chemical resistance makes them ideal for dispensing a variety of aggressive acids and bases.



### Mastercycler® X50

With ramp rates of up to 10 °C/s and enhanced optimization functions like the new 2D-Gradient, the Mastercycler X50 is the ideal tool for advanced PCR. The X50 offers an adaptable user management system and extensive documentation capabilities, giving peace of mind to laboratories working or conforming to set standards. Expansion is simple and cost effective with the ability to network 9 controllerless units to a single touch screen controller unit or 50 units in a computer-controlled network.



### Eppendorf twin.tec® PCR Plate 384, LoBind

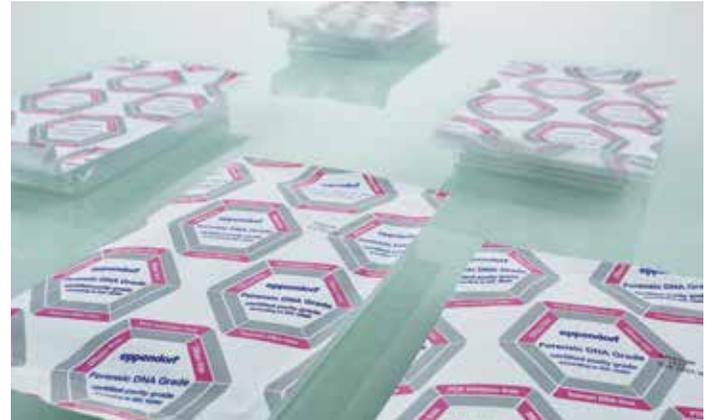
This twin.tec plate combines a rigid polycarbonate frame with our unique LoBind material. Use of polycarbonate for the plate frame renders the plate torsions resistant and thus, ideal for automation. The LoBind material properties reduce the adsorption of DNA and protein to the wells, effectively maximizing your amplification results. See application note 359 for more information on how our Eppendorf twin.tec PCR Plates, LoBind are ideal for NGS Library prep!

## New Products



### Innova® S44i

The Innova S44i combines the reliable performance of Innova shakers with the latest precision engineering from Eppendorf. The intelligent counterbalance mechanism provides vibration-free motion at high platform loads and allows for operation of double- or triple stacked shakers at maximum speed. You can grow more with greater capacity in a smaller footprint.



### Forensic DNA Grade Consumables

The prevention of contamination is one of the major challenges in forensic DNA analysis. In accordance to the new ISO 18385, Eppendorf is proud to introduce our new line of Forensic DNA consumables. This product line encompasses consumables for DNA extraction, sample processing, and PCR setup, as well as sample storage.



### Storage Boxes

The Eppendorf storage boxes represent a new comprehensive product family for storing and archiving samples. They provide an optimal solution for all common tube types. Made from polypropylene, this ensures high dimensional and thermal stability. They are laboratory dishwasher safe making cleaning fast and easy, and are easily autoclavable for sterilization. Additionally each sample location has high-contrast, laser labeled, alpha-numeric coding, making sample reference and readability quick and reliable.

## Pipette Pick-a-Packs. Save up to 23 %.

FROST &amp; SULLIVAN

BEST  
PRACTICES  
AWARDNORTH AMERICAN LIQUID HANDLING  
NEW PRODUCT INNOVATION AWARD

**FREE**  
Pipette Carousel 2<sup>1</sup>

\* Actual bundles may vary from the image.

The Research plus and Reference 2 are light weight, robust, and feature a spring loaded tip cone that improves reproducibility. Both are autoclavable, and the Reference 2 one button tip ejection reduces the risk of contamination.

### Promotional offer

- > Save up to 20 %<sup>2</sup> with 3-, 4-, and 6-pipette bundle packs
- > FREE carousel stand included in delivery package with Reference 2 and Research plus 6-packs (a \$154 value)

**VWR Promo Code: 4547**

### Ordering information

Description	Research plus		Reference 2	
	VWR Catalog No.	VWR Promo Price USD	VWR Catalog No.	VWR Promo Price USD
<b>3-pack</b> includes 3 single-channel, adjustable-volume pipettes, 1 full box of Eppendorf epT.I.P.S. <sup>®</sup> for each pipette (excludes 5 and 10 mL pipettes)				
0.5–10, 10–100 and 100–1,000 µL			<b>89131-969</b>	\$1,066
2–20 <sup>3</sup> , 20–200 and 100–1,000 µL	<b>89131-968</b>	940.52	<b>89131-971</b>	1,066
100–1,000 µL, 0.5–5 mL and 1–10 mL	<b>89131-970</b>	940.52	<b>89131-965</b>	1,066
<b>4-pack</b> includes 4 single-channel, adjustable-volume pipettes, 1 full box of Eppendorf epT.I.P.S. for each pipette				
0.1–2.5, 0.5–10, 10–100 and 100–1,000 µL	<b>89126-238</b>	1,294.24	<b>89126-237</b>	1,471.90
0.1–2.5, 2–20 <sup>3</sup> , 20–200 and 100–1,000 µL	<b>89126-240</b>	1,294.24	<b>89429-359</b>	1,471.90
0.5–10, 2–20 <sup>3</sup> , 20–200 and 100–1,000 µL	<b>76121-358</b>	1,286.55	<b>89126-239</b>	1,471.90
<b>6-pack</b> includes 6 single-channel, adjustable-volume pipettes, 1 full box of Eppendorf epT.I.P.S. for each pipette (excludes 5 and 10 mL pipettes) and the Pipette Carousel 2				
0.1–2.5, 0.5–10, 2–20 <sup>3</sup> , 10–100, 20–200 and 100–1,000 µL	<b>89126-236</b>	1,962.22	<b>89126-241</b>	2,195.55
0.5–10, 10–100, 30–300, 100–1,000 µL, 0.5–5 mL and 1–10 mL	<b>89429-358</b>	1,962.22	<b>89131-967</b>	2,195.55

<sup>1</sup> Carousel stand included with 6-packs. <sup>2</sup> Savings compared to purchase of individual items at list price. <sup>3</sup> 2–20 µL pipette included with yellow operating button.

# Passionate Designs, Throughout the Years

By introducing the first piston stroke pipette back in 1961, Eppendorf set the standard in pipettes with the same basic elements we still find in today's lab: A spring-loaded piston and a removable plastic tip. Since then, we have been studying liquid handling and evolving our pipettes to better suit the needs of their users. From ergonomic designs to manufacturing materials, every detail of our pipettes have been designed to improve the user experience.

## Optimized comfort and ergonomics

From the shape of the finger hook to the size of the eject button, every detail of a pipette can affect the user. We continue to update every detail of our pipettes, bit by bit, to improve the ergonomics of our pipettes and maximize the users' pipetting experience.

## Optimized materials

Both accuracy and ergonomics are affected by the materials a pipette is made of. We have been continually optimizing our materials to build a durable pipette that is light weight, comfortable, and able to maintain accuracy with heavy usage.



## Details that Improve Your Experience



The optimized volume dial only requires a few turns to change from maximum to minimum volume



Spring-loaded tip cone reduces and normalizes tip attachment forces across users



An enhanced polymer mix makes our pipettes lightweight and durable, improving the life of the pipette

## All-You-Need Pipette Bundle Offer. Save up to 35 %.



**FROST & SULLIVAN**  
BEST PRACTICES AWARD  
2015  
NORTH AMERICAN LIQUID HANDLING  
NEW PRODUCT INNOVATION AWARD

**Repeater® M4**  
included in bundle<sup>1</sup>

**Easypet 3**  
included in bundle<sup>1</sup>

**FREE**  
8-channel pipette

**Pipette Carousel 2**  
included in bundle

\* Actual bundles may vary from the image.

The All-You-Need pipetting package was designed to give you the ability to accurately pipette any volume from 0.5 µL to 50 mL between any type of vessel (tubes, plates, bottles, etc.)

The package includes 3 air cushion pipettes for accurately pipetting volume ranges from 0.5 µL–1 mL to 100 µL–10 mL depending on which package option you choose. Also included is the Easypet 3 to simplify applications requiring large pipetting volumes up to 50 mL. The included M4 speeds up dispensing series with up to 100 dispenses from a single aspiration. And to round things out, redeem an 8-channel pipette for efficiently performing plate to plate transfers.

### Promotional offers

- > Save up to 35 %<sup>2</sup> on this specially designed pipetting package including 3 single-channel pipettes (Research® plus or Reference® 2), a carousel stand, Repeater M4, Easypet 3, and 8-channel pipette<sup>3</sup>
- > Carousel stand (a \$154 value), Repeater M4 (a \$590 value), and Easypet 3 (a \$480 value) are included in the delivery package together with the 3-pack of single channel pipettes

To redeem for your FREE 8-channel Research plus or Reference 2 pipette<sup>3</sup>, search for Promo Code 4907. Fill in the online form before July 31, 2018. Please allow up to 8 weeks for delivery of your FREE product.

**VWR Promo Code: 4907**

### Ordering information

Description	Research plus		Reference 2	
	VWR Catalog No.	Promo Price USD	VWR Catalog No.	Promo Price USD
<b>All-You-Need pipette packages</b> include 3 single-channel adjustable volume pipettes, 1 full box of Eppendorf epT.I.P.S. <sup>®</sup> for each pipette (excludes 5 and 10 mL pipettes), the Pipette Carousel 2, Repeater M4, carousel stand holder for a Repeater M4, and an Easypet 3. Redeem a FREE 8-channel pipette <sup>3</sup> .				
0.5–10, 10–100 and 100–1,000 µL	MP2231000222	\$1,910	MP2231000223	\$1,995
2–20 <sup>4</sup> , 20–200 and 100–1,000 µL	MP2231000224	1,910	MP2231000225	1,995
100–1,000 µL, 0.5–5 mL and 1–10 mL	MP2231000226	1,910	MP2231000227	1,995

<sup>1</sup> Delivery package includes carousel stand, Repeater M4, stand holder for Repeater M4, and Easypet 3. <sup>2</sup> Savings compared to purchase of individual items at list price. <sup>3</sup> Purchase of an all-you-need Research plus bundle qualifies for redemption of a FREE Research plus 8-channel pipette, Reference 2 bundle qualifies for redemption of a FREE Reference 2 8-channel pipette. <sup>4</sup> The 2–20 µL pipette included has the yellow operating button.

Promotional part numbers are available for a limited time, must be used at the time of purchase, and may be ordered via the "ORDER ENTRY" link on vwr.com. (Promotional part numbers cannot be found via Search on vwr.com.) For assistance with ordering, please contact VWR Customer Service at 1-800-932-5000.

# The Importance of Good Quality Pipette Tips

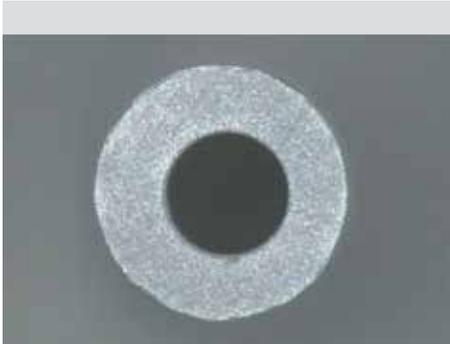
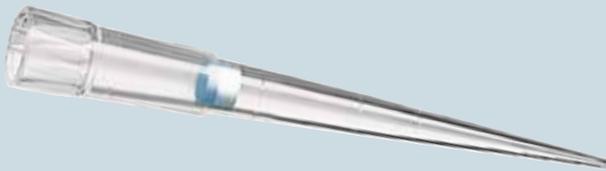
Within the scientific community, a rising number of studies are found to not be reproducible. Incorrect pipette handling (e.g. holding the pipette at an angle during liquid aspiration) may be one reason for this. A second source of error often not taken seriously is plastics. Consumables may lead to problems with analysis results, e.g. due to leachables, as well as incorrect pipetting volumes. This may result in non-reproducible data if experiments are repeated by other groups using other consumables. Some problems with pipette tips are obvious like:

- > Tips have to be pushed powerfully onto the pipette cone in order to achieve efficient tip fit
- > Banana-shaped tips make it difficult to fill a plate with multichannel pipettes
- > Pipetting of volumes below 1  $\mu\text{L}$  on a solid surface is impossible because the liquid drop sticks to the outside of the tip

In the same way that only the tip of an iceberg can be seen above water level, a number of other problems with pipette tips can go unrecognized. These unnoticed problems can cause poor accuracy and reproducibility in your pipetting activity. These include:

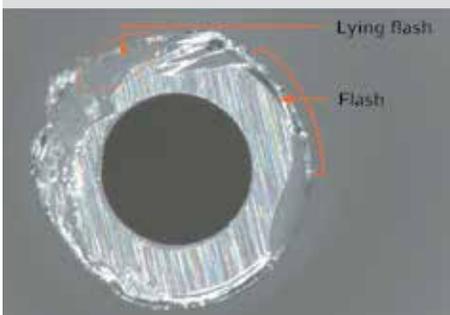
- > Poor tip-to-tip uniformity
- > External methods such as sterilization or pipetting with/ without a tip change

The below image illustrates that the difference in quality of the tip orifice. This is particularly important when pipetting small volumes because it influences the drop cut off. The orifice of tips from competitor E (which also failed calibration at 1  $\mu\text{L}$ ) is an example of very poor quality. Such production flaws lead to deflection of water drops, displacement of liquid, and retention of water. For more information, please see Application Note 354.



## ePT.I.P.S.® 10 $\mu\text{L}$

The orifice has a good geometry and the function is not negatively influenced by production errors.



## Competitor E 10 $\mu\text{L}$

**Problem 1:** Lying flashes caused by non-harmonized ejection molding process; Cavity has not been fully filled with liquid PP.

**Result:** Risk of deflection of water drop because of varying diameter of frontal area.

## Electronic Pipettes and Holder System Offer. Save up to 33 %.



The highly precise motor control of electronic pipettes provide the utmost in accuracy and reproducibility, helping improve the consistency of results for experiments like PCR, qPCR, and NextGen sequencing. The at-a-glance parameter screen, selection dial, and “up is up, down is down” control button make programming and operating electronic pipettes simple, intuitive, and less prone to errors. Xplorer plus models make pipetting even more efficient with modes like programming, adjustable fixed volumes, and a history function.

### VWR Promo Code: 5176

#### Promotional offer

- > 10 % off all Xplorer and Repeater E3 electronic pipettes, save up to \$210
- > Buy any 3 electronic pipettes and redeem a free 6-place Charger Carousel 2 (a \$794 value), up to 33 % in savings

To redeem for your FREE Charger Carousel 2 (a \$794 value) search for Promo Code 5176. Fill in the online form before July 31, 2018. Please allow up to 8 weeks for delivery of your FREE product.

#### Ordering information

Description	VWR Catalog No.	Promo Price USD	VWR Catalog No.	Promo Price USD	You Save!
<b>Single-channel air-cushion pipette</b>	<b>Xplorer</b>		<b>Xplorer plus</b>		
0.5–10 µL, medium gray	MP2231000432	\$ 721	MP2231000433	\$ 899	10 %
5–100 µL, yellow	MP2231000434	721	MP2231000435	899	10 %
15–300 µL, orange	MP2231000436	721	MP2231000437	899	10 %
50–1,000 µL, blue	MP2231000438	721	MP2231000439	899	10 %
0.2–5 mL, violet	MP2231000440	721	MP2231000441	899	10 %
0.5–10 mL, turquoise	MP2231000442	721	MP2231000443	899	10 %
<b>Multichannel air-cushion pipette</b>	<b>Xplorer</b>		<b>Xplorer plus</b>		
0.5–10 µL, medium gray, 8-channel	MP2231000444	1,229	MP2231000445	1,539	10 %
0.5–10 µL, medium gray, 12-channel	MP2231000446	1,512	MP2231000447	1,899	10 %
5–100 µL, yellow, 8-channel	MP2231000448	1,229	MP2231000449	1,539	10 %
5–100 µL, yellow, 12-channel	MP2231000450	1,512	MP2231000451	1,899	10 %
15–300 µL, orange, 8-channel	MP2231000452	1,229	MP2231000453	1,539	10 %
15–300 µL, orange, 12-channel	MP2231000454	1,512	MP2231000455	1,899	10 %
50–1,200 µL, green, 8-channel	MP2231000456	1,229	MP2231000457	1,539	10 %
50–1,200 µL, green, 12-channel	MP2231000458	1,512	MP2231000459	1,899	10 %
<b>Single-channel positive displacement dispenser</b>	<b>Repeater E3</b>		<b>Repeater E3x</b>		
1 µL–50 mL, includes Combitips advanced® assortment pack	MP2231000460	932	MP2231000461	1,116	10 %

Promotional part numbers are available for a limited time, must be used at the time of purchase, and may be ordered via the “ORDER ENTRY” link on vwr.com. (Promotional part numbers cannot be found via Search on vwr.com.) For assistance with ordering, please contact VWR Customer Service at 1-800-932-5000.

# Pipette Holder System

With the ability to hold both electronic and mechanical pipettes at the same time, the new Pipette Holder System is the ideal way to store pipettes on your benchtop. You can mix and match different types of pipettes on the carousel based on which holders you use. And with the Charger Carousel you will always have the ability to charge your electronic pipettes even when the carousel is also holding mechanical pipettes.

## More capacity

- > Charger Carousel 2 now holds up to six electronic devices
- > Carousels carry both manual and electronic devices

## More flexibility

- > Carousels carry all kinds of Eppendorf pipettes and Repeaters
- > All manual Eppendorf pipettes fit into one rotatable holder

## More convenience

- > Pipette holders are easily swapped out, no tools required
- > Conveniently spaced holders make pipettes easy to grab
- > Power cord connects magnetically for easy attachment



## Perfection Down to the Smallest Detail



Holders are available for both electronic and mechanical pipettes, including Repeaters.



Fast interchangeable pipette holders and charger shells, no tool required.



Downwards compatible holders for Eppendorf Research and Reference manual pipettes.



Large carrying handle for easy transport of carousels from bench to bench.



Large rubber feet protect carousel from spilled liquids and maintains bench top stability.



Cord wrap functionality for unused power cord keeps your lab bench nice and tidy.

## Maxipettor® Starter Pack. Save 34 %.



**FREE**  
Maxitips

The Maxipettor is the ideal instrument for accurately pipetting larger volumes of liquid. Whether you are a cell culture lab pipetting medium into a flask, a chemistry lab pipetting out of large reagent bottles, or even if you need to accurately pipette 1 mL to 10 mL of buffer, the Maxipettor provides pipetting accuracy that goes beyond a typical serological pipette. It is a pipetting tool that can be used by many labs from the academic lab to industrial, food testing, environmental or even quality control labs.

The Maxipettor is very easy to use with a one-hand operation that significantly speeds up pipetting tasks. It has a continuously adjustable volume dial with a 4 digit display that clicks into place every 10  $\mu$ L. You can pipette volumes from 1 mL to 10 mL much more accurately than measuring volumes with graduation marks on a tube, flask, or serological tip.

Two different consumable systems are available for the Maxipettor, the Maxitips P and Maxitips S. The Maxitips P are a positive displacement system that increases accuracy when working with difficult liquids like viscous liquids or high vapor pressure liquids. And with the Maxitips S you get extra reach to pipette out of large bottles or tall, narrow vessels.

### Promotional offer

- > Save 34 % (a \$421 value) on this starter pack that includes the Maxipettor pipette and 2 boxes of associated consumables
- > The package includes a case of Maxitips P (a \$215 value) that includes 100 tips
- > The package includes a Maxitips S starter pack (a \$206 value) that includes 100 tips, 10 dispensing parts, and 10 valves

**VWR Promo Code: 5177**

### Ordering information

Description	VWR Catalog No.	Promo Price USD	You Save!
Maxipettor Starter Pack, incl. 1 Maxipettor pipette, 1 case of Maxitips P, and 1 Maxitip S Starter Kit	MP2231000462	\$809	34 %

Promotional part numbers are available for a limited time, must be used at the time of purchase, and may be ordered via the "ORDER ENTRY" link on vwr.com. (Promotional part numbers cannot be found via Search on vwr.com.) For assistance with ordering, please contact VWR Customer Service at 1-800-932-5000.

## Eppendorf Combitips advanced®. Save 20 %.



For use with  
Repeater pipettes

In 1978 Eppendorf revolutionized the industry and laboratory workflow with the introduction of the Combitip/Repeater system and has been the leader in market innovations for the past 35 years. The Eppendorf Combitips advanced, like the original, function according to the positive displacement principle, thus they always dispense the correct volume independent of the density of the liquid and its flow characteristics (i.e. increased vapor pressure or increased viscosity).

### Promotional offer

> Save 20% off the list price of PCR clean<sup>1</sup>  
Combitips advanced

**VWR Promo Code: 5178**

<sup>1</sup> PCR Clean: Certified free of DNases, RNases, human DNA, and PCR inhibitors by an independent laboratory. Lot-specific certificates are available.

### Ordering information

Description	VWR Catalog No.	Promo Price USD	You Save!
0.1 mL (white), 100 pcs.	MP2231000463	\$126	20 %
0.2 mL (light blue), 100 pcs.	MP2231000464	126	20 %
0.5 mL (violet), 100 pcs.	MP2231000465	126	20 %
1.0 mL (yellow), 100 pcs.	MP2231000466	126	20 %
2.5 mL (green), 100 pcs.	MP2231000467	126	20 %
5.0 mL (blue), 100 pcs.	MP2231000468	126	20 %
10.0 mL (orange), 100 pcs.	MP2231000469	126	20 %
25 mL <sup>2</sup> (red), 100 pcs.	MP2231000470	146	20 %
50 mL <sup>2</sup> (gray), 100 pcs.	MP2231000471	146	20 %

<sup>2</sup> 4 boxes of 25 pcs. each. Each box containing one adapter.

Promotional part numbers are available for a limited time, must be used at the time of purchase, and may be ordered via the "ORDER ENTRY" link on vwr.com. (Promotional part numbers cannot be found via Search on vwr.com.) For assistance with ordering, please contact VWR Customer Service at 1-800-932-5000.

### Ordering information

Description	VWR Catalog No.	VWR List USD
<b>Eppendorf Repeater</b>		
Repeater M4, with Combitip Rack and Combitip assortment pack (1 Combitip of each size)	10054-496	\$ 661.37
Repeater E3, with charging cable and Combitip assortment pack (1 Combitip of each size)	75796-404	1,087.24
Repeater E3, with charger stand and Combitip assortment pack (1 Combitip of each size)	75796-408	1,192.29
Repeater E3x, with charging cable and Combitip assortment pack (1 Combitip of each size)	75796-406	1,302.58
Repeater E3x, with charger stand and Combitip assortment pack (1 Combitip of each size)	75796-402	1,407.63

## epT.I.P.S.<sup>®</sup> Starter Pack. Save 22 %.



Research plus  
single-channel  
pipette included

epT.I.P.S.—the original Eppendorf “Totally Integrated Pipetting System”—are optimally coordinated to Eppendorf pipettes and, meet EN ISO 8655 requirements. This has resulted in minimal attachment and ejection forces with the highest level of tightness. Fine Graduations make visual checks of the pipetting volume easier. Eppendorf epT.I.P.S. Boxes are fully autoclavable and meant for use with our epT.I.P.S. Reloads. Eppendorf epT.I.P.S. Boxes (Eppendorf Quality™) and epT.I.P.S. Reloads (Eppendorf Quality) are the perfect system to reduce pipette tip box waste in the laboratory.

The Research plus is remarkably light both in terms of weight and pipetting forces, setting new standards for ergonomic operation. It also features a spring loaded tip cone ensuring a secure seal, low attachment forces, and easy ejection.

### Promotional offer

> Save 22 % off epT.I.P.S. starter pack, includes an Eppendorf Research plus variable single-channel pipette, 6 epT.I.P.S. Boxes (6 Boxes of 96 tips each) in Eppendorf Quality and 6 cases of epT.I.P.S. Reloads (60 trays x 96 tips each) in Eppendorf Quality. That’s a total of 6,336 tips!

**VWR Promo Code: 5179**

### Ordering information

Description	VWR Catalog No.	Promo Price USD	You Save!
epT.I.P.S. Starter pack includes 6 epT.I.P.S. Boxes (each box has 96 tips), 6 cases of Eppendorf Quality epT.I.P.S. Reloads (each case – 10 trays x 96 tips), and a variable volume Research plus pipette.			
0.1–10 µL S epT.I.P.S. Starter pack, includes 0.1–2.5 µL Research plus pipette (dark gray)	MP2231000472	\$850	22 %
0.1–20 µL epT.I.P.S. Starter pack, includes 0.5–10 µL Research plus pipette (medium gray)	MP2231000473	850	22 %
0.5–20 µL L epT.I.P.S. Starter pack, includes 2–20 µL Research plus pipette (light gray)	MP2231000474	850	22 %
2–200 µL epT.I.P.S. Starter pack, includes 20–200 µL Research plus pipette (yellow)	MP2231000475	752	22 %
20–300 µL epT.I.P.S. Starter pack, includes 30–300 µL Research plus pipette (orange)	MP2231000476	752	22 %
50–1000 µL epT.I.P.S. Starter pack, includes 100–1000 µL Research plus pipette (blue)	MP2231000477	792	22 %

## Ultra-low Temperature Freezer Offers. Save up to 21 %.



**FREE**  
Eppendorf Storage  
Boxes

Eppendorf Innova® Ultra-Low Temperature Freezers channel decades of experience to provide optimal performance and superior temperature management. Fast pull down and recovery times, excellent uniformity, and long warm-up times give you peace of mind in your samples' security.

The undercounter Innova U101 is perfect for a smaller lab, while the Innova U535 fits into a tight 32 inch space. The chest-style Innova C585 provides additional efficiency and uniformity.

**VWR Promo Code: 5180**

### Promotional offers

- > Choose a convenient bundle including a substantial discount off of our list price as well as FREE freezer racks<sup>1</sup> for your chosen model
  - Innova U101 with 6 FREE drawer-style racks, save \$1,634
  - Innova U535 with 8 FREE side-access racks, save \$3,653
  - Innova C585 with 8 FREE upright racks, save \$3,749
- > Redeem two cases of Eppendorf polypropylene storage boxes (up to a \$95 value)

To redeem for your FREE Eppendorf Storage Boxes (a \$95 value) search for Promo Code 5180. Fill in the online form before July 31, 2018. Please allow up to 8 weeks for delivery of your FREE product.

<sup>1</sup> Included racks are designed to hold 2 in. sized boxes.

### Ordering information

Description	VWR Catalog No.	Promo Price USD	You Save!	
New Brunswick Innova U101 Freezer, 115 V/60 Hz with 6 FREE drawer-style racks	MP2231000300	\$10,995	\$1,634	13 %
New Brunswick Innova U535 Freezer, 115 V/60 Hz with 8 FREE side-access racks	MP2231000301	13,995	3,653	21 %
New Brunswick Innova U535 Freezer, 208–220 V/60 Hz with 8 FREE side-access racks	MP2231000302	13,995	3,653	21 %
New Brunswick Innova C585 Chest Freezer, 115 V/60 Hz with 8 FREE upright racks	MP2231000303	15,695	3,749	19 %
New Brunswick Innova C585 Chest Freezer, 208–220 V/60 Hz with 8 FREE upright racks	MP2231000304	15,695	3,749	19 %

## New Product

## CryoCube® F740-series

**Natural refrigerants**  
for future-proven cooling  
(F740hi and F740hiw only)

**Automated vent port**  
for quick re-access  
to samples

**Ergonomically  
designed door handle**  
for smooth and easy  
operation

**Personalized  
access control** for  
highest sample safety\*\*

**Proven two-stage  
compressor cascade  
systems** for long-term  
working conditions

**Easy access**  
to air filter enables regular  
cleaning, resulting in  
better performance

**Heavy duty castors**  
to easily move the  
freezer to a new position

**Vacuum insulated  
panels** reinforced with  
polyurethane foam  
insulation are standard  
for safe sample storage

**Advanced touchscreen**  
for temperature and event  
logging, user access control  
via electronic lock, and data  
export via USB (F740i, F740iw,  
F740hi, and F740hiw only)

**Robust stainless-steel  
body** for high sample  
safety and easy cleaning

**Internal probe head**  
located in freezer center  
for reliable temperature  
measurement

**Lockable security plate**  
protects power and  
alarm-off switches from  
accidental shut-off

**Optional chart recorder**  
for 24/7 documentation  
on paper

**Integrated voltage  
inverter** for flexible  
usage with 100 – 230 V  
mains/power supply

\*Available on 'h' series models.  
\*\*Available on 'i' series models.

## New Product



- > **Personal storage preference:** your choice of 3 or 5 shelf versions for flexible sample storage (with 3 inner doors)
- > **Built for longevity and convenience:** stainless steel chamber and shelving is durable and easy to keep clean



- > **Ergonomic entry:** comfortable door handle for easy opening
- > **Controlled access:** electronic locking with unique user access codes, when necessary (F740i, F740iw, F740hi, and F740hiw only)



- > **Whisper quiet:** optimized air channel reduces noise output down to 41.3 dB\*\*
- > **Flexible monitoring:** use Ethernet™, RS485, or standard remote alarm socket (BMS/potential free contact)



- > **Flat, frost-resistant gaskets:** keep the cold inside to maximize efficiency, temperature stability, and sample security
- > **Easy maintenance:** flat seals can be quickly and easily wiped and cleaned



- > **External probes or back-up systems:** two access ports in the upper corner
- > **Insulated for your protection:** a combination of vacuum insulated panels and traditional polyurethane foam reduces energy usage and ensures a long warm-up time



- > **Enhanced shelf design:** integrated airways for fast and consistent air circulation that minimizes cold air loss and optimizes uniformity



- > **Double your safety:** gaskets on the insulated inner doors keep cold air in the freezer to minimize temperature fluctuations, shorten recovery time, and minimize frost—keeping your samples safe



- > **Easy access:** quickly open the bottom-mounted air filter for easy cleaning and maintenance
- > **Simple solution:** no tools required to access filter

## Mastercycler® X50 Offers. Network and Save up to 17 %.



Speed and enhanced optimization functions like the 2D-Gradient make the Mastercycler X50 the ideal tool for advanced research in molecular biology. The excellent block temperature control and regulation give rise to the next stage of optimization, whereas the adaptable user management and excellent documentation capabilities give peace of mind to laboratories working or conforming to set standards.

A highly intuitive touch display, low noise levels, low power consumption, and the versatile flexlid® concept complete the product to be a powerful yet discrete tool. Up to 10 units can be combined—ideal for high throughput applications or labs with a high number of users running different assays.

Should you feel you need more flexibility or throughput, up to 50 units can be combined in a computer-controlled network.

**VWR Promo Code: 5181**

### Promotional offer

- > Purchase any Eppendorf Mastercycler X50 Network and Save bundle listed below and redeem a FREE Maximize Your PCR Consumables Kit (a \$1,726 value). Kit includes:
- twin.tec® LoBind PCR Plates, skirted, PCR clean, colorless, 25 pcs. 2 packs.
  - ep Dualfilter T.I.P.S.® LoRetention, PCR clean and sterile, 0.1–10 µL S, 34 mm, dark gray, 960 tips (10 racks × 96 tips), 4 packs
  - ep Dualfilter T.I.P.S. LoRetention, PCR clean and sterile, 2–100 µL, 53 mm, yellow, 960 tips (10 racks × 96 tips), 4 packs
  - DNA LoBind Tubes, DNA LoBind, 1.5 mL, PCR clean, colorless, 250 tubes (5 bags × 50 tubes), 1 pack

To redeem for your Maximize Your PCR Consumables Kit (a \$1,726 value) search for Promo Code 5181. Fill in the online form before July 31, 2018. Please allow up to 8 weeks for delivery of your FREE product.

### Ordering information

Description	VWR Catalog No.	Promo Price USD	You Save!
<b>Network and Save Bundles</b> , include one cyclor with touch screen controller, one cyclor without a controller, and a FREE Maximize Your PCR Consumables Kit			
<b>Mastercycler X50s and X50i</b> , 110–230 V/50–60 Hz, 96-well silver block	<b>MP2231000478</b>	\$18,040	<b>16 %</b>
<b>Mastercycler X50a and X50i</b> , 110–230 V/50–60 Hz, 96-well aluminum block	<b>MP2231000479</b>	17,080	<b>17 %</b>
<b>Mastercycler X50h and X50t</b> , 110–230 V/50–60 Hz, 384-well aluminum block	<b>MP2231000480</b>	18,590	<b>15 %</b>
<b>Mastercycler X50p and X50r</b> , 110–230 V/50–60 Hz, 96-well aluminum block, high pressure lid	<b>MP2231000481</b>	18,040	<b>16 %</b>

# Mastercycler® X50

With ramp rates of up to 10 °C/s and enhanced optimization functions like the new 2D-Gradient, the Mastercycler X50 is the ideal tool for advanced PCR. The X50 offers an adaptable user management system and extensive documentation capabilities, giving peace of mind to laboratories working or

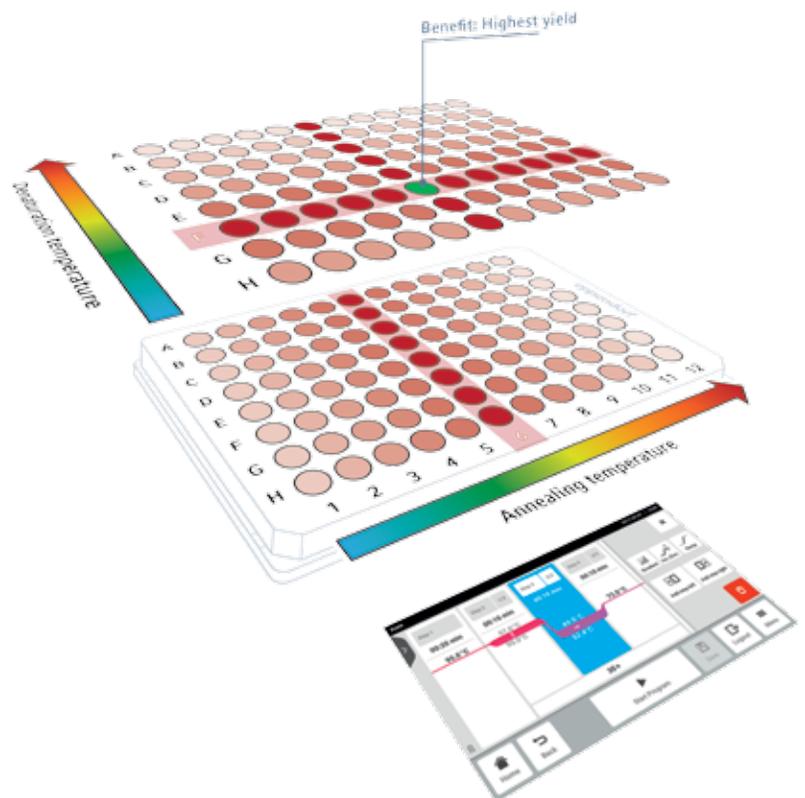
conforming to set standards. Expansion is simple and cost effective with the ability to network 9 controllerless units to a single touch screen controller unit or 50 units in a computer-controlled network.



## The Next Stage of PCR Optimization

Optimizing the annealing temperature to improve PCR results is a routine task, so why not optimize as far as you can? More and more findings indicate that optimization of the denaturation temperature is worthwhile as well. A high denaturation temperature will harm the enzyme and other biomolecules in your assay. A low denaturation temperature may result in inefficient splitting of the complementary DNA strands, as is often found with GC-rich templates or templates prone to form »hairpin structures«.

Eppendorf's new 2D-Gradient allows optimization of the annealing and the denaturation temperature in a single run—taking less time than ever before. This gives you the ideal set of temperatures for your PCR assay—quickly, conveniently, reliably.



## Mastercycler® nexus Offers. Network and Save up to 30 %.



In the age of networking, the Mastercycler nexus family provides the flexibility needed to accommodate all of the members and applications within your lab. Depending on the block type, nexus units can accommodate 96-well PCR plates, 0.2 mL and 0.1 mL PCR tubes and strips, as well as 0.5 mL PCR tubes. Gradient and non-gradient, single block and dual block- all nexus models can be combined in a network of up to 3 units to provide both flexibility and a cost effective solution to your PCR needs.

- > nexus gradient is a 96-well aluminum block cyler with SteadySlope® gradient technology and a built in controller
- > nexus eco is a 96-well aluminum block cyler without a controller
- > nexus GX2 is a 64/32-well dual aluminum block cyler with SteadySlope gradient technology and a built in controller
- > nexus X2e is a 64/32-well dual aluminum block cyler without a controller

### Promotional offers

- > Save 25 % on 2 Cyler Networking Bundles
- > Save 30 % on 3 Cyler Networking Bundles

**VWR Promo Code: 5182**

### Ordering information

Description	VWR Catalog No.	Promo Price USD	You Save!	Price per Cyler!
<b>2 Cyler Networking Bundles</b>				
<b>2 unit Bundle</b> Mastercycler nexus gradient, Mastercycler nexus eco, 115 V/50–60 Hz	<b>MP2231000482</b>	\$10,275	<b>25 %</b>	<b>\$5,137.50</b>
<b>2 unit Bundle</b> Mastercycler nexus gradient, Mastercycler nexus X2 eco, 115 V/50–60 Hz	<b>MP2231000483</b>	11,020	<b>25 %</b>	<b>5,510.00</b>
<b>2 unit Bundle</b> Mastercycler nexus GX2, Mastercycler nexus X2 eco, 110 V/50–60 Hz	<b>MP2231000484</b>	11,025	<b>25 %</b>	<b>5,512.50</b>
<b>3 Cyler Networking Bundles</b>				
<b>3 unit Bundle</b> Mastercycler nexus gradient, 2x Mastercycler nexus eco, 115 V/50–60 Hz	<b>MP2231000485</b>	14,410	<b>30 %</b>	<b>4,803.33</b>
<b>3 unit Bundle</b> Mastercycler nexus gradient, 2x Mastercycler nexus X2 eco, 115 V/50–60 Hz	<b>MP2231000486</b>	14,835	<b>30 %</b>	<b>4,945.00</b>
<b>3 unit Bundle</b> Mastercycler nexus GX2, 2x Mastercycler nexus X2 eco, 110 V/50–60 Hz	<b>MP2231000487</b>	15,575	<b>30 %</b>	<b>5,191.67</b>

Promotional part numbers are available for a limited time, must be used at the time of purchase, and may be ordered via the "ORDER ENTRY" link on vwr.com. (Promotional part numbers cannot be found via Search on vwr.com.) For assistance with ordering, please contact VWR Customer Service at 1-800-932-5000.

## Eppendorf twin.tec® PCR Plates. Save 20 %.



Eppendorf twin.tec PCR plates combine two plastics to make the ideal PCR plate for all laboratory needs. The polycarbonate frame provides rigidity and torque-resistance for easy handling and use with automated systems. The robust frame also prevents plate warping during thermal cycling thereby reducing the risk of evaporation. The polypropylene wells are very thin-walled, providing optimal heat transfer and high well-to-well consistency during your thermal cycling protocols. All twin.tec plates are certified PCR clean—free of DNases, RNases, human DNA, and PCR inhibitors.

### Promotional offer

> Save 20 % off the list price of Eppendorf twin.tec PCR plates

**VWR Promo Code: 5183**

### Ordering information

Description	VWR Catalog No.	Promo Price USD	You Save!
Eppendorf twin.tec PCR plate 96, skirted, 150 µL, colorless, 25 pcs.	MP2231000488	\$ 96	20 %
Eppendorf twin.tec PCR plate 96, semi-skirted, 250 µL, colorless, 25 pcs.	MP2231000489	96	20 %
Eppendorf twin.tec PCR plate 96, low profile, unskirted, 150 µL, colorless, 20 pcs.	MP2231000490	70	20 %
Eppendorf twin.tec PCR plate 96, unskirted, 250 µL, colorless, 20 pcs.	MP2231000491	70	20 %
Eppendorf twin.tec PCR plate 384, 40 µL, 25 pcs.	MP2231000492	187	20 %

## Biological Shaker Offers. Save up to 21 %.



**FREE**  
universal platform—  
up to a \$1,220 value!  
(30 x 18" shown with  
optional accessories)

The Eppendorf family of New Brunswick™ shakers are offered in a wide range of models, sizes, and price points to fit virtually any application and budget. I-Series biological shakers feature our triple-eccentric counterbalanced shaking mechanism for your most demanding applications. Excella® biological shakers provide advanced features and excellent performance at an affordable price.

### Promotional offers

- > Get a FREE universal platform with the purchase of an I-Series or Excella incubated shaker (included in the delivery package)
- > Purchase any shaker bundle listed below and redeem a free flask clamp starter kit\* (a \$535 value)

To redeem for your FREE Flask Clamp Starter Kit (a \$794 value) search for Promo Code 5184. Fill in the online form before July 31, 2018. Please allow up to 8 weeks for delivery of your FREE product.

**VWR Promo Code: 5184**

### Ordering information

Description	VWR Catalog No.	Promo Price USD	You Save!
<b>I-Series biological shaker offers</b>			
I24 Incubated Shaker, 3/4" orbit, 120 V (includes 18" x 18" universal platform)	MP89176-142	\$ 8,380	\$1,420 17 %
I24R Refrigerated / Incubated Shaker, 3/4" orbit, 120 V (includes 18" x 18" universal platform)	MP89176-144	9,810	1,420 14 %
I24 Incubated Shaker, 1" orbit, 120 V (includes 18" x 18" universal platform)	MP89176-146	8,380	1,420 17 %
I24R Refrigerated / Incubated Shaker, 1" orbit, 120 V (includes 18" x 18" universal platform)	MP89176-148	9,810	1,420 14 %
I26 Incubated Shaker, 1" orbit, 120 V (includes 30" x 18" universal platform)	MP89176-150	14,200	1,670 12 %
I26R Refrigerated / Incubated Shaker, 1" orbit, 120 V (includes 30" x 18" universal platform)	MP89176-152	16,300	1,670 10 %
<b>Excella Series biological shaker offers</b>			
E24 Incubated Shaker, 3/4" orbit, 120 V (includes 18" x 18" universal platform)	MPM1352-0010	6,920	1,420 21 %
E24R Refrigerated / Incubated Shaker, 3/4" orbit, 120 V (includes 18" x 18" universal platform)	MPM1352-0014	9,420	1,420 15 %
E25 Incubated Console Shaker, 1" orbit, 120 V (includes 30" x 18" universal platform)	MPM1353-0010	12,000	1,755 15 %
E25R Refrigerated / Incubated Console Shaker, 1" orbit, 120 V (includes 30" x 18" universal platform)	MPM1353-0014	14,400	1,755 12 %

\* Free flask clamp starter kit includes: 2 x 2 L, 2 x 1 L, 4 x 500 mL, 4 x 250 mL clamps.

## Centrifuge 5430/5430 R Offers. Save up to 21 %.



Unique cross-over centrifuges 5430 and 5430 R combine the best features of a microcentrifuge (small footprint) and multipurpose centrifuge (versatility) in one instrument. These centrifuges spin rotors for Eppendorf Tubes® and PCR strips as you would expect from any microcentrifuge. But that's not all. In a compact size, Centrifuges 5430 and 5430 R also accommodate rotors for microplates, 15/50 mL conical tubes, and 5 mL tubes. With a maximum capacity of 48 x 1.5/2 mL tubes and a maximum speed of 30,000 x g, the Centrifuge 5430 fits the needs of most molecular biology laboratories.

### Promotional offers

- > Special bundle savings on the purchase of a Centrifuge 5430/R with 30- or 48-place rotor package (save up to \$1,265)
- > All packages available with either a 3-pack of Research plus or a 3-pack of Reference 2 pipettes plus a box of Eppendorf epT.I.P.S.® for each pipette size (up to a \$1,040 value)

To redeem for your FREE Pipettes (up to \$1,040 value) search for Promo Code 5000. Fill in the online form before July 31, 2018. Please allow up to 8 weeks for delivery of your FREE product.

**VWR Promo Code: 5000**

### Ordering information

Description	Knob	Keypad	Promo Price USD	You Save!
	VWR Catalog No.	VWR Catalog No.		
<b>Centrifuge 5430 with tube rotor bundle</b> —Redeem a FREE 3-pack of pipettes including 3 single-channel, adjustable-volume pipettes, 1 full box of Eppendorf epT.I.P.S. for each pipette (excludes 5 and 10 mL pipettes)				
Centrifuge 5430, with 48 x 1.5/2.0 mL QuickLock rotor, 120 V	MP2231000497	MP2231000498	\$4,995	20 %
Centrifuge 5430, with 30 x 1.5/2.0 mL QuickLock rotor, 120 V	MP2231000499	MP2231000507	4,995	18 %
<b>Centrifuge 5430 R with tube rotor bundle</b> —Redeem a FREE 3-pack of pipettes including 3 single-channel, adjustable-volume pipettes, 1 full box of Eppendorf epT.I.P.S. for each pipette (excludes 5 and 10 mL pipettes)				
Centrifuge 5430 R (refrigerated), with 48 x 1.5/2.0 mL QuickLock rotor, 120 V	MP2231000508	MP2231000509	8,495	21 %
Centrifuge 5430 R (refrigerated), with 30 x 1.5/2.0 mL QuickLock rotor, 120 V	MP2231000510	MP2231000511	8,495	20 %

## Eppendorf Multipurpose Centrifuge Offers. Save up to 23 %.



Eppendorf is introducing the new Centrifuge 5920 R, featuring extraordinary high capacity and performance. Its high capacity of up to 4 x standard 1 L bottles makes it the ideal instrument for high-throughput and high volume applications. In addition, the state-of-the-art refrigeration system delivers precise cooling performance, which protects samples from unwanted temperature fluctuations by delivering temperature you can rely on.

### Bundle savings

> Purchase a 5920 R cell culture package and redeem 6 FREE cases of 15 or 50 mL conical tubes (a \$1,590 value)

To redeem for your FREE Conical Tubes (a \$1,590 value) search for Promo Code 5001. Fill in the online form before July 31, 2018. Please allow up to 8 weeks for delivery of your FREE product.

**VWR Promo Code: 5001**

### Ordering information

Description	VWR Catalog No.	Promo Price USD	You Save!
<b>5920 R Cell Culture bundles. Redeem 6 cases of 15 or 50 mL conical tubes.</b>			
5920 R (refrigerated) Cell culture package <sup>1</sup> (S-4x1000)	MP2231000512	\$15,900	21 %
5920 R (refrigerated) Cell culture package <sup>1</sup> (S-4xUniversal)	MP2231000513	16,100	23 %

<sup>1</sup> Cell Culture package includes a centrifuge and swing-bucket rotor plus the following adapter (sets of 2) for 15 mL and 50 mL conical tubes: 5920 R with S-4x1000 rotor with high capacity buckets = 2 x 5920716000, 2 x 5920715003; 5920 R with S-4xUniversal-Large rotor = 2 x 5920736000, 2 x 5920735004.

## Vacufuge® plus Bundle Offer. Save up to 26 %.



Eppendorf Vacufuge plus with its new design delivers an ergonomic, intuitive and durable solution that fits comfortably right on the lab bench. An advanced heating technology provides the best treatment for your sample which assures quick, efficient, and gentle vacuum concentration of DNA/RNA, nucleotides, proteins and other liquid or wet samples. Now with a chemically resistant lid, this extremely quiet device can do even more.

Complete system with vacuum port adds extra capability. It allows for using the integrated vacuum pump separately with external devices such as a gel dryer—without having to disconnect it from the system.

### Promotional offers

- > Special bundle savings on the purchase of a Vacufuge plus complete system (save \$448)
- > Purchase an Eppendorf Vacufuge plus complete system and redeem 2 FREE 3-packs of either Research plus or Reference 2 pipettes (up to a \$2,080 value)
- > Purchase an Eppendorf Vacufuge plus complete system and redeem a FREE Pipette Carousel 2 for Research plus and Reference 2 pipettes (a \$154 value)

To redeem for your FREE Pipettes and Pipette Carousel 2 (a \$2,234 value) search for Promo Code 5185. Fill in the online form before July 31, 2018. Please allow up to 8 weeks for delivery of your FREE product.

**VWR Promo Code: 5185**

### Ordering information

Description	VWR Catalog No.	Promo Price USD	You Save!
<b>Vacufuge plus bundle, with integrated diaphragm vacuum pump, 120 V, includes 48 x 1.5/2.0 mL rotor. Redeem 2 FREE 3-pack of pipettes<sup>1</sup> and a FREE Pipette Carousel 2.</b>			
Vacufuge plus, with 48 x 1.5/2 mL rotor, 120 V	MP2231000514	\$ 9,995	26 %
Vacufuge plus with vacuum port connection, with 48 x 1.5/2 mL rotor, 120 V	MP2231000515	11,995	22 %

<sup>1</sup> Each 3-pack of pipettes includes 3 single-channel, adjustable-volume pipettes, 1 full box of Eppendorf epT.I.P.S. for each pipette (excludes 5 and 10 mL pipettes).

# Easy Handling, Broad Versatility

The Eppendorf Vacufuge plus is ideal for any application that requires re-concentration of DNA samples, removal of alcohol residues or aliquoting enzymes. It provides the optimal evaporation conditions regardless of the vapor pressure of the solvent and the temperature sensitivity of the samples, saving time and preventing sample loss. The Vacufuge's advanced heating technology provides the best treatment for your sample which assures quick, efficient, and gentle vacuum concentration of DNA/RNA, nucleotides, proteins, and other liquid or wet samples. The Vacufuge plus was designed with the customer in mind to deliver an ergonomic, intuitive, and durable solution that fits comfortably on your lab bench.

Our new coated lid provides superior chemical resistance against aggressive acids and organic solvents (e.g. TFA, DMSO). Easy handling and broad versatility can be found in every aspect of the Vacufuge plus. A user-friendly control panel allows for simple and intuitive operation. A wide range of fixed-angle rotors and the microplate rotor are available to enable the Vacufuge plus to accommodate a variety of tubes, plates and applications in the laboratory. To achieve outstanding capacity, a spacer is available to allow the stacking of some fixed-angle rotors-increasing capacity up to 144 samples.



Superior chemical resistance with integrated PTFE diaphragm pump (Complete system only) and new coated lid allows use for greater variety of applications.



Three operational modes provide the ideal evaporation environment for aqueous, high vapor pressure, and alcohol solutions in one compact footprint.

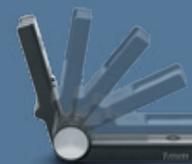


Complete System with vacuum port adds extra capability/flexibility. Simply connect any external device that requires a vacuum (e.g. gel dryer)



Outstanding rotor versatility with 15 rotor options, accommodating 0.2 to 50 mL tubes, microplates and PCR plates.

## All-In-One Detection Offers. Save up to 25 %



**FREE**  
μCuvette® G1.0



**FREE**  
case of UVettes®

The Eppendorf BioSpectrometer® basic, kinetic, and fluorescence facilitate a wide range of molecular biology, cell biology and biochemistry applications by allowing users to conduct cuvette-based spectrophotometry measurements in the UV/Vis range with the option of additional kinetic or fluorescence readings.

The Eppendorf BioPhotometer® D30 is the third generation of our well-established BioPhotometer line with fixed wavelengths making routine evaluations quick and simple.

Included in the offer is the μCuvette G1.0 and a package of UVettes. With a pathlength of 1 mm, the μCuvette G1.0 provides reliable measurements for highly concentrated samples. The UVettes are disposable UV/Vis transparent cuvettes with two optional pathlengths; 2 mm and 10 mm.

### Promotional offer

> Save 25 % on the already discounted Eppendorf BioPhotometer or BioSpectrometer and μCuvette G1.0 Bundles and redeem 1 FREE case of our PCR Clean or routine UVettes

To redeem for your FREE Charger Carousel 2 (a \$794 value) search for Promo Code 5005. Fill in the online form before July 31, 2018. Please allow up to 8 weeks for delivery of your FREE product.

**VWR Promo Code: 5005**

### Ordering information

Description	VWR Catalog No.	Promo Price USD	You Save!
<b>All In One Detection Bundles</b> , include the μCuvette G1.0 and a FREE redeemable case of either PCR Clean or routine UVettes.			
BioPhotometer D30, with μCuvette G1.0	<b>MP2231000516</b>	\$ 6,165	<b>25 %</b>
BioSpectrometer basic, with μCuvette G1.0	<b>MP2231000517</b>	7,545	<b>25 %</b>
BioSpectrometer kinetic, with μCuvette G1.0	<b>MP2231000518</b>	8,775	<b>25 %</b>
BioSpectrometer fluorescence, with μCuvette G1.0	<b>MP2231000519</b>	10,500	<b>25 %</b>

# Eppendorf BioSpectrometer® kinetic

As an expansion of the BioSpectrometer basic, the Eppendorf BioSpectrometer kinetic features a temperature-controlled cuvette shaft. The integrated Peltier element guarantees high-precision temperature control.

In addition to the wide range of methods available on the BioSpectrometer basic, the BioSpectrometer kinetic software offers preprogrammed and freely programmable kinetic methods.

## Product features

- > All BioSpectrometer basic options
- > Preprogrammed and freely programmable kinetic methods
- > Retrospective modification of the time window for regression analysis
- > Temperature-controlled cuvette shaft (adjustment range +20 °C to +42 °C in 0.1 °C increments)



## The Eppendorf Detection Product Line



BioSpectrometer basic



BioSpectrometer fluorescence



BioSpectrometer kinetic



BioPhotometer D30



µCuvette® G1.0



UVette®

## Eppendorf CO<sub>2</sub> Incubator Offer. Save up to 19 %.



Eppendorf CO<sub>2</sub> incubators incorporate features that make protecting your cells the highest priority. Consistent temperature and CO<sub>2</sub> stability create the perfect incubation conditions, while features such as the seamless chamber and 120 °C High Temperature Disinfection (HTD) make cleaning simple and ensure a contamination-free environment. Galaxy® 170 S and Galaxy 170 R CO<sub>2</sub> incubators are high-capacity, 170 liter incubators that can be conveniently placed on or under the bench or double stacked. The New Brunswick S41i combines the best of two worlds: a highly innovative shaker and the functionality of a CO<sub>2</sub> incubator. Discover the superior quality, outstanding performance, and intuitive operation of CO<sub>2</sub> incubators from Eppendorf.

Research plus pipettes are remarkably light and feature a spring-loaded tip cone ensuring a secure seal and easy ejection. In addition to these features, the Reference 2's one-button design minimizes the risk of aerosol contamination and reduces thumb strain. The Eppendorf ThermoMixer C offers high-quality mixing and temperature control. Unique <sup>2D</sup>Mix-Control technology means fast and efficient mixing in tubes and plates.

### Promotional offers

- > Receive a FREE stacking kit when you purchase a double stack of the Galaxy 170 S or Galaxy 170 R CO<sub>2</sub> incubator with high temperature disinfection (a \$1,370 value) or of the New Brunswick S41i (a \$1,700 value)
- > Purchase a Galaxy 170 S double stack bundle and redeem a FREE 3-pack of Research plus or Reference 2 pipettes (a \$1,040 value)
- > Purchase a Galaxy 170 R double stack bundle and redeem a FREE 6-pack of Research plus or Reference 2 pipettes (a \$2,142 value)
- > Purchase a New Brunswick S41i double stack bundle and redeem a FREE ThermoMixer C and SmartBlock™ (a \$6,560 value)
- > Place your order using the catalog number listed below, which includes the FREE stacking kit

To redeem for your FREE products search for Promo Code 5192. Fill in the online form before July 31, 2018. Please allow up to 8 weeks for delivery of your FREE product.

**VWR Promo Code: 5192**

### Ordering information

Description	VWR Catalog No.	Promo Price USD	You Save!	
Double Stack Bundle, Galaxy 170 S with High Temperature Disinfection, 120 V	MP2231000281	\$15,480	\$2,410	16 %
Double Stack Bundle, Galaxy 170 R with HTD and single inner door, 120 V	MP2231000520	20,500	3,512	17 %
Double Stack Bundle, New Brunswick S41i with HTD and single inner door, 120 V	MP2231000523	34,820	6,560	19 %

## Cell Culture Consumables Offer. Save 50 %.



Eppendorf asked “How can we make our customers’ work processes simpler, more secure, quicker and more reproducible?” We spent several years developing our new line of cell culture consumables; we met scientists in hundreds of cell culture laboratories worldwide to analyze their work processes. Now we have reached our goal and we are convinced that the all new product line of Eppendorf Cell Culture Consumables will impress your cells.

Innovative technologies in Eppendorf Cell Culture Consumables deliver exceptional levels of product purity and security. New high efficiency air filter technology in Eppendorf flasks provides improved contamination protection, while ConvexAccess™ neck geometry allows for ergonomic handling and facilitated entry into flasks. Meanwhile, a corrugated handling ring and new SplashProtect™ ring in dishes deliver safe, confident handling and better protection against contamination. Finally, Eppendorf’s new chimney well design in plates minimizes the “edge effect” and leads to more reproducible assay results.

### Promotional offer

- > Purchase any two cases of Eppendorf Cell Culture Consumables and receive a third case of the same product FREE (up to a \$905 value)
- > Place your order using the promotional catalog numbers, select formats listed below
- > Special catalog numbers below are for 3 cases for the price of 2

Purchase by calling 1.800.932.5000, visiting [vwr.com](http://vwr.com) or contacting your VWR sales representative. Have your VWR purchase order, VWR invoice or VWR packing slip ready and fill out the online form at [vwr.com/promotions](http://vwr.com/promotions) and search for Promo Code 5193 before 07/31/2018. Allow up to 8 weeks to receive your free product.

**VWR Promo Code: 5193**

### Ordering information

Description	Qty	VWR Catalog No.	Promo Price USD	You Save!
<b>Buy 2, Get 1 Free:</b> 6-well Cell Culture Plates with lid, flat bottom, sterile, TC treated, individually wrapped	180	MP2231720113	\$348	50 %
<b>Buy 2, Get 1 Free:</b> 96-well Cell Culture Plates with lid, flat bottom, sterile, TC treated, individually wrapped	240	MP2231730119	822	50 %
<b>Buy 2, Get 1 Free:</b> 35 mm Cell Culture Dish with lid, sterile, TC treated, individually wrapped	900	MP2231700112	447	50 %
<b>Buy 2, Get 1 Free:</b> 60 mm Cell Culture Dish with lid, sterile, TC treated, individually wrapped	900	MP2231701119	447	50 %
<b>Buy 2, Get 1 Free:</b> 100 mm Cell Culture Dish with lid, sterile, TC treated, individually wrapped	900	MP2231702115	964	50 %
<b>Buy 2, Get 1 Free:</b> Cell Culture Flask T-25 with filter cap, sterile, TC treated, individually wrapped	576	MP2231710126	822	50 %
<b>Buy 2, Get 1 Free:</b> Cell Culture Flask T-75 with filter cap, sterile, TC treated, individually wrapped	240	MP2231711122	620	50 %
<b>Buy 2, Get 1 Free:</b> Cell Culture Flask T-175 with filter cap, sterile, TC treated, individually wrapped	144	MP2231712129	650	50 %

Promotional part numbers are available for a limited time, must be used at the time of purchase, and may be ordered via the “ORDER ENTRY” link on [vwr.com](http://vwr.com). (Promotional part numbers cannot be found via Search on [vwr.com](http://vwr.com).) For assistance with ordering, please contact VWR Customer Service at 1-800-932-5000.

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## For product and technical information

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