

VWR® FOR CENTRIFUGATION

Microcentrifuges

Bench centrifuges

Special centrifuges

Tubes, plates and
racks

Application tools

Everyday reliable performance

CENTRIFUGATION

We hope that you will notice several things about the VWR range of products for centrifugation.

Choice – enough to cover almost every application packed into a series of models without being overwhelming

Performance – market leading consistency and reliability backed up with warranties that run to many years

Value for money – well built products that last and don't cost a fortune to buy



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THESE SYMBOLS INDICATE IMPORTANT PRODUCT FEATURES

SYMBOLS



Warranty



Warranty



Sustainable



Sterile



Autoclavable

Microcentrifuge, MiniStar



This personal centrifuge has a fixed speed of 6000 min⁻¹/2000 xg and is designed for applications requiring relatively low g-forces, such as microfiltration, cell separation and quick spin downs from the walls of tubes. The tube rotor spins up to eight individual 1,5/2,0 ml plastic microcentrifuge tubes. It will also accept 0,5 ml and 0,4 ml tubes with the supplied adapters. The additional PCR rotor is designed to centrifuge four 8 × 0,2 ml PCR strip tubes. It will also accept up to 32 individual 0,2 ml tubes.

- Quick release rotors: No tools are required to exchange the rotors or attach them to the motor shaft
- Easy to operate: Close the lid of the centrifuge to start a run; press and release the tab on lid to stop

Delivery information: Supplied with 8×1,5/2,0 ml rotor, 4×(8×0,2 ml) strip tube rotor, 8 adapters for 0,4 ml tubes and 8 adapters for 0,5 ml tubes.

Model	MiniStar
Max. capacity	8×1,5/2,0 ml tubes or 4×(8×0,2 ml) tube strips
Max. speed (min ⁻¹)	6000
Max. RCF (xg)	2000
Noise level (dB(A))	56
Power consumption (W)	5
WxDxH (mm)	132×132×112
Weight (kg)	0,55
Acceleration/deceleration time (s)	5/1,5



Description	Pk	Cat. No.
Microcentrifuge MiniStar with rotors and adapters, EU-plug	1	521-2161
Microcentrifuge MiniStar with rotors and adapters, UK-plug	1	521-2162
Microcentrifuge MiniStar with rotors and adapters, CH-plug	1	521-2163



Microcentrifuge, MiniStar silverline



This centrifuge was developed for applications that do not require high speed centrifugation, such as microfiltration and cell separation, and can also be used in a cold room. On closing the lid, the rotor quickly accelerates to maximum speed. Pressing the button on the front of the unit stops operation and opens the lid. Alternatively, the unit can be turned on and off with the switch at the back.

- Metal base with ABS body and transparent safety cover
- Quiet and compact design
- Starts and stops in seconds
- Easy to operate, for eight microtubes or four strip tubes

Ordering information: MiniStar silverline supplied with 8×1,5/2,0 ml rotor, 4×(8×0,2 ml) strip tube rotor, eight adapters for 0,5 ml and eight adapters for 0,4 ml tubes.

Model	MiniStar silverline
Max. capacity	8×1,5/2,0 ml tubes or 4×(8×0,2 ml) tube strips
Max. speed (min ⁻¹)	6000
Max. RCF (xg)	2000
Noise level (dB(A))	57
WxDxH (mm)	132×155×110
Weight (kg)	0,75

Description	Pk	Cat. No.
MiniStar silverline with rotors and adapters, EU-plug	1	521-2844
MiniStar silverline with rotors and adapters, UK-plug	1	521-2845
MiniStar silverline with rotors and adapters, CH-plug	1	521-2846

Description	Pk	Cat. No.
Accessories		
Rotor for 8×1,5/2,0 ml tubes	1	521-2847
Rotor for 4 strips of 8×0,2 ml tubes	1	521-2848

Microcentrifuge, Micro Star 12



Safe and easy to use centrifuge delivering optimum performance in a compact unit. All operating parameters, including rpm, RCF and remaining time, are set and displayed digitally. It has an automatic lid release, pulse spin function for fast, convenient quick spins and an unique internal airflow design to reduce the heating up of samples.

- Compact design with small footprint
- Rapid acceleration and deceleration together with quiet operation characteristics
- Alarms for over speed and over heat
- Autoclavable rotor for 12x1,5/2,0 ml tubes includes biosafety rotor lid

Ordering information: Supplied with fixed angle microtube rotor and adapters for 0,2 ml PCR tubes (pack of 12).



Model	Micro Star 12
Max. capacity	12x1,5/2,0 ml
Max. speed (min ⁻¹)	13500
Max. RCF (xg)	12300
Timer	1–30 min
Power supply	230 V / 50-60 Hz
WxDxH (mm)	208x245x145
Weight (kg)	4,4

Description	Pk	Cat. No.
Microcentrifuge Micro Star 12	1	521-1651

Description	Pk	Cat. No.
Accessories		
Rotor for 4x(8x0,2 ml) PCR strips	1	521-1652
Adapters for 0,2 ml PCR tubes (pack of 12)	12	521-1653
Adapters for 0,5 ml microtubes (pack of 12)	12	521-1654

Research tools for life scientists

The collage displays several promotional materials from VWRbioMarke. On the left is a 'VWRbioMarke Shop!' flyer with a grid of products like centrifuges and pipettes. In the center is a 'VWRbioMarke' magazine cover for February 2015, featuring a DNA helix and a person. To the right is another 'VWRbioMarke Shop!' flyer with more product listings. The background is a soft-focus image of a cell or microorganism.

If you're not registered to receive materials from the programme then please contact your local VWR sales office or go to vwr.com

VWRbioMarke magazine - innovations and new products in genomics, proteomics and cell biology

VWRbioMarke shop - special offers especially for Life Scientists

Microcentrifuges, ventilated/refrigerated, Micro Star 17 / 17R



The Micro Star 17 and 17R microcentrifuges combine power, versatility and convenience in a safe, compact, easy to use laboratory instrument. Both the ventilated Micro Star 17 and the refrigerated Micro Star 17R are designed to accelerate the routine sample preparation process. The special biocontainment rotor lid for one click rotor opening and closing shortens retrieval time compared to screw on lids.

- Quiet and powerful performance up to 17 000 xg
- ClickSeal® biocontainment rotor lid keeps the user and the samples safe
- Easy operation; intuitive controls and bright, easy to read displays
- Separate short-spin key for quick centrifugation

Ordering information: Supplied with 24-place rotor for 1,5/2,0 ml tubes and aerosol-tight rotor lid.



Model	Micro Star 17	Micro Star 17R
Temperature (°C)	-	-9...+40
Max. speed (min ⁻¹)	13300	
Max. RCF (xg)	17000	
Timer	1 – 99 min (in increments of 1 min) + Hold mode	
Noise level (dB(A))	<56	<50
WxDxH (mm)	240x350x230	292x440x330

Description	Pk	Cat. No.
Microcentrifuge, ventilated, Micro Star 17	1	521-1646
Microcentrifuge, refrigerated, Micro Star 17R	1	521-1647



521-2153



521-1104

Rotor compatibility - VWR Micro Star 17/17R

The VWR Micro Star 17 and 17R microcentrifuges are fully compatible with the following Thermo Scientific microcentrifuge rotors and accessories.

These rotors can be used safely and comply with all International safety standards.

VWR Cat. No.	Description	Max. speed (min ⁻¹)	Max. RCF (xg)
521-2153	Fixed-angle rotor, 10x5 ml, with ClickSeal biocontainment lid	14800	20326
521-1105	Fixed-angle rotor, 24 x 1,5/2,0 ml, with ClickSeal biocontainment lid	14800	21100
521-1104	Fixed-angle rotor, dual row, 18 x 2/0,5 ml, with screw-on lid	14800	20800
521-1106	Rotor, 36x0,5 ml, with screw-on lid	14800	19300
521-1109	PCR rotor, 8x8 tubes, with screw-on lid	14800	17100
521-1107	PCR rotor, 4x8 sample strips, with ClickSeal biocontainment lid	14800	16200
521-1108	Haematocrit rotor for 24 haematocrit capillaries	14800	16800
Adapters			
521-1657	Adapters, 0,5/0,6 ml		
521-1656	Adapters, 0,2 ml		



Centrifuges, benchtop, ventilated/refrigerated, Mega Star 600 / 600R

These small bench top centrifuges are ideal for research and clinical applications in pharmaceutical and biotechnical industries as well as for academic research. They offer good capacity in a compact design with a smart and simple interface. The Mega Star 600 centrifuges are available as a ventilated or a refrigerated version. The refrigerated version with the pre-cooling function is suitable for temperature-sensitive sample processing with control between -10°C and $+40^{\circ}\text{C}$.

- Auto-Lock® III rotor system: Tool-free rotor exchange system enables quick rotor exchange; with just the push of a button users can quickly change rotors and easily access the rotor chamber for cleaning
- Aerosol-tight ClickSeal® bucket caps and rotor lid sealing system: Glove friendly one-handed open/close capability
- Time-saving pulse function for short runs
- Highly visible backlit display for easy reading of parameters across the lab

TX-150 swing-out rotor: This rotor is designed for a broad range of swing-out processing needs. It offers high speed and high capacity (e.g. $24 \times 5/7$ ml blood tubes or 8×15 ml conical tubes) combined with the flexibility of a wide range of adapters.

MicroClick 24 x 2 angle rotor: This high speed rotor has a max. capacity of $24 \times 1,5/2,0$ ml micro tubes and reaches a max. RCF of 30279 xg. Ideal for micro-volume protocols such as nucleic acid preparation, PCR reaction set up and filtration columns. The lightweight, ergonomic and certified ClickSeal® biocontainment lid allows sample viewing. Additional adapters for 0,2 ml PCR tubes and 0,25/0,5 ml micro tubes are available on request.

Ordering information: Mega Star 600 / 600R are supplied with rotor TX-150, set of four round buckets and four ClickSeal® caps. The Mega Star 600R is also available in a package with MicroClick rotor incl. ClickSeal® biocontainment rotor lid. All packages come with two power cords (EU and UK plug). Adapters need to be ordered separately. Additional rotors are available on request.

Model	Mega Star 600	Mega Star 600R
Max. capacity - swing out rotor	4x145 ml	
Max. speed - swing out rotor (min ⁻¹)	4350 (with TX-150 rotor) / 17850 (with MicroClick rotor)	
Max. RCF - swing out rotor (xg)	3046 (with TX-150 rotor) / 30279 (with MicroClick rotor)	
Temperature (°C)	-	-10...+40
Acceleration/braking ramps	2/2 (standard and soft)	
Motor	Brushless induction motor	
Control	Microprocessor	
Functions	Auto-Lock® III rotor locking system, ClickSeal® sealing system	Auto-Lock III rotor locking system, pre-cooling and CFC-free refrigeration, ClickSeal® sealing system
Programs	4 (direct access)	3 (direct access) + 96 additional (via folder)
Timer	9 h 99 min 50 sec + continuous	
Anti-unbalance system	Continuous vibration measurement, with rotor mass correction	
Display	Large, bright LCD	
Languages	English, German, French, Spanish, Italian, Dutch and Russian	
Noise level (dB(A))	<58 (with TX-150 rotor)	<56 (with TX-150 rotor) / <52 (with MicroClick rotor)
Power supply	230 V / 50 - 60 Hz	
Power consumption (W)	310	750
WxDxH (mm)	370x490x310	460x670x320
Weight (kg)	35 (centrifuge only)	74 (centrifuge only)

Description	Pk	Cat. No.
Ventilated bench top centrifuge, Mega Star 600, package incl. TX-150 rotor, buckets and caps	1	521-1893
Refrigerated bench top centrifuge, Mega Star 600R, package incl. TX-150 rotor, buckets and caps	1	521-1894
Refrigerated bench top centrifuge, Mega Star 600R, micro package incl. MicroClick rotor and ClickSeal® rotor lid	1	521-1895

Description	Pk	Cat. No.
Adapters for swing out rotors		
Adapter for 1×100 ml round bottom tube (Ø×L: 45×117 mm)	4	521-1792
Adapter, 1×50 ml conical or skirted tube (Ø×L: 29,5×120 mm)	4	521-1793
Adapter, 2×15 ml conical tubes (Ø×L: 17×122 mm)	4	521-1794
Adapter, 4×14 ml urine tubes (Ø×L: 18×124 mm)	4	521-2206
Adapter, 7×3 / 5 ml blood collection tubes (Ø×L: 12×124 mm)	4	521-1797
Adapter, 6×5 / 7 ml blood collection tubes (Ø×L: 13×116 mm)	4	521-1796
Adapter, 10×1,5 / 2 ml microtubes (Ø×L: 11×65 mm)	4	521-1798
Adapter, 1×25 ml universal flat/skirted tube (Ø×L: 25×199 mm)	4	521-1799
Adapters for fixed angle rotors		
Adapter for MicroClick rotors 30×2 and 24×2; 0,2 ml PCR tube (Ø×L: 6,5×20 mm)	30	521-1800
Adapter for MicroClick rotors 30×2 and 24×2; 0,25 ml microtube (Ø×L: 6×46 mm)	30	521-1816
Adapter for MicroClick rotors 30×2 and 24×2; 0,5 ml microtube (Ø×L: 8×44 mm)	30	521-1815



521-1855



521-1783

Rotor compatibility - VWR Mega Star 600/600R

The VWR Mega Star 600/600R centrifuges are fully compatible with the following Thermo Scientific centrifuge rotors.

These rotors can be used safely and comply with all International safety standards.

VWR Cat. No.	Description	Max. speed / RCF Mega Star 600	Max. speed / RCF Mega Star 600R
521-1781	Swing out rotor, TX-100S, incl. sealed carriers, for 8 × 5/7 ml blood collection tubes	4350 min ⁻¹ / 3046 xg	4350 min ⁻¹ / 3046 xg
521-1782	Swing out rotor, TX-100, incl. unsealed carriers, for 16 × 5/7 ml blood collection tubes	4350 min ⁻¹ / 3046 xg	4350 min ⁻¹ / 3046 xg
521-1783	Swing out rotor, M-10, for 4 standard microplates or 2 Deepwell microplates	4400 min ⁻¹ / 2576 xg	4400 min ⁻¹ / 2576 xg
521-1777	Swing out rotor, MT-12, for 12 microtubes and filtration columns	13000 min ⁻¹ / 16438 xg	13000 min ⁻¹ / 16438 xg
521-1785	Fixed angle rotor, HIGHConic™ III, with biocontainment lid, for 6×50 ml conical tubes	8700 min ⁻¹ / 10155 xg	9500 min ⁻¹ / 12108 xg
521-1567	Fixed angle rotor, sealed vessels, for 8×50 ml tubes	-	5600 min ⁻¹ / 5014 xg
521-1565	CLINIConic™ fixed angle rotor, for 30×15 ml tubes	4400 min ⁻¹ / 3030 xg	4400 min ⁻¹ / 3030 xg
521-1855	Fixed angle rotor, MicroClick, incl. biocontainment lid, for 18×5 ml microtubes	-	14000 min ⁻¹ / 22351 xg
521-1786	Fixed angle rotor, MicroClick, incl. biocontainment lid, for 24×2 ml microtubes	16000 min ⁻¹ / 24328 xg	17850 min ⁻¹ / 30279 xg
521-1791	Haematocrit fixed angle rotor, for 24 blood capillaries	13300 min ⁻¹ / 16810 xg	13300 min ⁻¹ / 16810 xg
521-1788	Fixed angle rotor, PCR Strip, for 8×8 PCR strips	15000 min ⁻¹ / 17860 xg	15000 min ⁻¹ / 17860 xg

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Centrifuges, benchtop, ventilated/refrigerated, Mega Star 1.6 / 1.6R



1.6



1.6R

These versatile centrifuges are ideal for a range of routine applications in pharmaceutical and biotechnology industries as well as for academic research. They offer good capacity and an ergonomic design which facilitate work on the bench top. The Mega Star centrifuges are available as a ventilated or a refrigerated version. The refrigerated version, with pre-cooling function, is suitable for temperature-sensitive sample processing with control between -10°C and $+40^{\circ}\text{C}$.

- Auto-Lock® III rotor system: Tool-free rotor exchange system enables quick rotor exchange; with just the push of a button users can quickly change rotors and easily access the rotor chamber for cleaning
- Aerosol-tight ClickSeal® bucket sealing system: Glove friendly one handed open/close capability, no need for screw caps and complicated clips
- SMARTSpin® technology optimises acceleration, braking and residual load imbalance for maximum safety, smooth runs and reproducible separations
- Time saving pulse function for short runs
- Intuitive controls and large, bright LCD display aid operation and programming

TX-400 swing out rotor: This rotor is designed for a broad range of laboratory throughput needs. With a capacity of 4x400 ml, 76x5/7 ml blood tubes or up to 36x15 ml conical tubes in a single run, it provides a very high configuration flexibility.

Ordering information: Supplied as complete packages, incl. centrifuge, rotor, set of four round buckets, four ClickSeal® lids and two power cords (EU and UK plug). Adapters need to be ordered separately.

Centrifuges can be used with all rotors suitable for Megafuge 16/16R centrifuges. Additional rotors are available on request.

Model	Mega Star 1.6	Mega Star 1.6R
Max. capacity - swing out rotor	4x400 ml	
Max. speed - swing out rotor (min^{-1})	4700	
Max. RCF - swing out rotor ($\times g$)	4149	
Temperature ($^{\circ}\text{C}$)	-	$-10\ldots+40$
Acceleration/braking ramps	9/10	
Motor	Brushless induction motor	
Control	Microprocessor	
Functions	Auto-Lock® III rotor locking system, ClickSeal® sealing system	Auto-Lock® III rotor locking system, pre-cooling and CFC-free refrigeration, ClickSeal® sealing system
Programs	6 (direct access)	
Timer	9 h 99 min + continuous	
Anti-unbalance system	SMARTSpin®	
Display	Large, bright LCD	
Languages	English, German, French, Spanish, Italian, Dutch and Russian	
Noise level (dB(A))	<61	<55
Power supply	230 V / 50 - 60 Hz	
Power consumption (W)	1010	1400
WxDxH (mm)	440x605x360	623x605x360
Weight (kg)	57,5 (centrifuge only)	91,5 (centrifuge only)

Description	Pk	Cat. No.
Ventilated bench top centrifuge, Mega Star 1.6, package incl. TX-400 rotor, buckets and lids	1	521-1749
Refrigerated bench top centrifuge, Mega Star 1.6R, package incl. TX-400 rotor, buckets and lids	1	521-1750

Description	Pk	Cat. No.
Adapters		
Adapter for 9x15 ml conical tubes, 16,5x121 mm for TX-400	4	521-1418
Adapter for 4x50 ml conical tubes, 29,5x116 mm for TX-400	4	521-1419
Adapter for 7x14 ml conical urine tubes, 17x112 mm for TX-400	4	521-1457
Adapter for 4x50 ml round tubes, 28,5x114 mm for TX-400	4	521-1458
Adapter for 3x50 ml DIN round tubes, 34,5x105 mm for TX-400	4	521-1428
Adapter for 1x100 ml round open tubes, 45x117 mm for TX-400	4	521-1429
Adapter for 5x25/30 ml DIN round/flat bottom tubes, 25,5x108 mm for TX-400	4	521-1425
Adapter for 4x25 ml universals, 25x110 mm for TX-400	4	521-1427
Adapter for 14x10/15 ml blood collection tubes, 15x113 mm for TX-400	4	521-1417
Adapter for 4x15 ml blood collection tubes, 15,5x131 mm for TX-400	4	521-1456
Adapter for 19x5/7 ml blood collection tubes, 12x110 mm for TX-400	4	521-1416
Adapter for 19x3 ml RIA open tubes, 11x110 mm for TX-400	4	521-1571
Adapter for 10x15 ml Sarstedt® tubes, 17x105 mm for TX-400	4	521-1426
Adapter for 1x250 ml Nalgene bottle, Ø 62x125 mm for TX-400	4	521-1454
Adapter for 34x1,5/2 ml microtubes, 11x45 mm for TX-400	4	521-1568



TX-400



521-1377



521-1369

Rotor compatibility - VWR Mega Star 1.6/1.6R

The VWR Mega Star 1.6/1.6R centrifuges are fully compatible with the following Thermo Scientific centrifuge rotors.

These rotors can be used safely and comply with all International safety standards.

VWR Cat. No.	Description	Max. speed (min ⁻¹)	Max. RCF (xg)
521-1564	BIOShield® 720 swing out rotor, 4x180 ml	5300	5088
521-1566	TX-200 swing out rotor, 4x180 ml	5500	5580
521-1400	M-20 microplate rotor, 2x3 standard or 2x1 deep well plates	4000	2272
521-1377	Fiberlite™ F15-6x100 fixed angle rotor, 6x100 ml	13000	18516
521-1565	CLINIConic™ fixed angle rotor, for 30x15 ml tubes	5650	4997
521-1567	Fixed angle rotor, individually sealed, for 8x50 ml tubes	6700	7177
521-1358	HIGHConic™ II fixed angle rotor, 6x94 ml	10350	15090
521-1369	Fiberlite™ F21-48x2 fixed angle rotor, 48x2 ml	15200	25055
521-1349	Microtitre sealed fixed angle rotor, 48x2 ml	15200	25314
521-1787	Fixed angle rotor, MicroClick, for 30 x 2 ml microtubes or filtration columns, incl. biocontainment lid	14000	21693
521-1360	Microtitre sealed fixed angle rotor, 30x2 ml	15200	25830

Centrifuges, benchtop, ventilated/refrigerated, Mega Star 3.0 / 3.0R



3.0

These versatile centrifuges are ideal for a range of routine applications in pharmaceutical and biotechnology industries as well as for academic research. They offer exceptional capacity and an ergonomic design which facilitates the work on the bench top. The Mega Star centrifuges are available as a ventilated or a refrigerated version. The refrigerated version, with pre-cooling function, is suitable for temperature-sensitive sample processing with control between -10°C and $+40^{\circ}\text{C}$.

- Auto-Lock® III rotor system: Tool-free rotor exchange system enables quick rotor exchange; with just the push of a button users can quickly change rotors and easily access the rotor chamber for cleaning
- Aerosol-tight ClickSeal® bucket sealing system: Glove friendly one handed open/close capability, no need for screw caps and complicated clips
- SMARTSpin® technology optimises acceleration, braking and residual load imbalance for maximum safety, smooth runs and reproducible separations
- Time saving pulse function for short runs
- Intuitive controls and large, bright LCD display aid operation and programming

TX-750 swing out rotor: This high capacity (4x750 ml) rotor accelerates productivity with up to 196x5/7 ml blood tubes or 28x50 ml conical tubes in a single run.

Ordering information: Supplied as complete packages, incl. centrifuge, rotor, set of four round buckets, four ClickSeal® lids and two power cords (EU and UK plug). Adapters need to be ordered separately.

Centrifuges can be used with all rotors suitable for Megafuge 40/40 R centrifuges. Additional rotors are available on request.



3.0R

Model	Mega Star 3.0	Mega Star 3.0R
Max. capacity - swing out rotor	4x750 ml	
Max. speed - swing out rotor (min ⁻¹)	4000	
Max. RCF - swing out rotor (xg)	3494	
Temperature (°C)	-	-10...+40
Acceleration/braking ramps	9/10	
Motor	Brushless induction motor	
Control	Microprocessor	
Functions	Auto-Lock® III rotor locking system, ClickSeal® sealing system	Auto-Lock® III rotor locking system, pre-cooling and CFC-free refrigeration, ClickSeal® sealing system
Programs	6 (direct access)	
Timer	9 h 99 min + continuous	
Anti-unbalance system	SMARTSpin®	
Display	Large, bright LCD	
Languages	English, German, French, Spanish, Italian, Dutch and Russian	
Noise level (dB(A))	<61	<57
Power supply	230 V / 50 - 60 Hz	
Power consumption (W)	1700	1950
WxDxH (mm)	565x670x360	745x670x360
Weight (kg)	86 (centrifuge only)	116 (centrifuge only)

Description	Pk	Cat. No.
Ventilated bench top centrifuge, Mega Star 3.0, package incl. TX-750 rotor, buckets and lids	1	521-1751
Refrigerated bench top centrifuge, Mega Star 3.0R, package incl. TX-750 rotor, buckets and lids	1	521-1752

Description	Pk	Cat. No.
Adapters		
Adapter for 7×50 ml conical tubes, 29,5×120 mm, for rotor TX-750	4	521-1409
Adapter for 14×15 ml conical tubes, 17×122 mm	4	521-1410
Adapter for 7×50 ml round bottom tubes, 29,5×120 mm	4	521-1433
Adapter for 2×100 ml round bottom open-top tubes, 45×123 mm	4	521-1431
Adapter for 37×5/7 ml round bottom tubes with decanting aid, 13×111 mm	4	521-1439
Adapter for 7×25 ml conical/skirted tubes, 25,5×120 mm	4	521-1434
Adapter for 12×14 ml conical urine tubes, 18×124 mm	4	521-1435
Adapter for 3×50 ml conical tubes (incl.sealing vessels), 29,5×120 mm	4	521-1432
Adapter for 48×1,5/2 ml microtubes, 11×50 mm	4	521-1440
Adapter for 1×250 ml Nalgene bottle, 62,5×139 mm	4	521-1430
Adapter for 27×5/7 ml blood collection tubes, 13×116 mm	4	521-1437
Adapter for 21×10 ml blood collection tubes, 17×117 mm	4	521-1436



TX-750



521-1377



521-2616

Rotor compatibility - VWR Mega Star 3.0/3.0R

The VWR Mega Star 3.0/3.0R centrifuges are fully compatible with the following Thermo Scientific centrifuge rotors.

These rotors can be used safely and comply with all International safety standards.

VWR Cat. No.	Description	Max. speed / RCF	Max. speed / RCF
		Mega Star 3.0	Mega Star 3.0R
521-2616	TX-1000 swing out rotor, for 4×1000 ml or 24 microplates	3800 min ⁻¹ / 3374 ×g	4200 min ⁻¹ / 4122 ×g
521-1776	BIOShield® 1000A swing out rotor, 4×250 ml	5300 min ⁻¹ / 5590 ×g	5300 min ⁻¹ / 5590 ×g
521-1400	M-20 microplate rotor, 2×3 standard or 2×1 deep well plates	4000 min ⁻¹ / 2272 ×g	4000 min ⁻¹ / 2272 ×g
521-1377	Fiberlite™ F15-6×100 fixed angle rotor, 6×100 ml	13000 min ⁻¹ / 18516 ×g	13000 min ⁻¹ / 18516 ×g
521-1358	HIGHConic™ II fixed angle rotor, 6×94 ml	10350 min ⁻¹ / 15090 ×g	10350 min ⁻¹ / 15090 ×g
521-1369	Fiberlite™ F21-48×2 fixed angle rotor, 48×2 ml	15200 min ⁻¹ / 25055 ×g	15200 min ⁻¹ / 25055 ×g
521-1349	Microlitre sealed fixed angle rotor, 48×2 ml	15200 min ⁻¹ / 25314 ×g	15200 min ⁻¹ / 25314 ×g
521-1787	Fixed angle rotor, MicroClick, for 30 × 2 ml microtubes or filtration columns, incl. biocontainment lid	14000 min ⁻¹ / 21693 ×g	14000 min ⁻¹ / 21693 ×g
521-1360	Microlitre sealed fixed angle rotor, 30×2 ml	15200 min ⁻¹ / 25830 ×g	15200 min ⁻¹ / 25830 ×g



Centrifuge, CompactStar CS4



The CompactStar CS4 centrifuge is designed for the separation of various samples in the fields of chemistry, life science, clinical research and routine diagnostics. The combination of tube adapters are suitable for running 5 ml (12×75 mm) and 7 ml (13×100 mm) tubes, and also conical and standard 15 ml tubes.

- High speed: Up to 6500 min⁻¹ / 4000 ×g
- Control panel featuring easy turn knobs and large digital displays for time and speed
- Timer can be set up to 30 minutes and to the 'On' position for a continuous run
- The compact footprint makes it ideal for almost any laboratory and it can easily be transported from lab to lab

Ordering information: Supplied with 6×15 ml angle rotor with adapter set as detailed below. All available adapters are already included at no extra cost.

Model	CompactStar CS4
Max. capacity	6×15 ml conical / 6×15 ml standard / 6×10 ml blood tube
Max. speed (min ⁻¹)	6500
Max. RCF (×g)	4000
Timer	30 s to 30 minutes, or continuous
W×D×H (mm)	210×240×180
Weight (kg)	4,75

Description	Pk	Cat. No.
CompactStar CS4 centrifuge, with angle rotor, EU plug	1	521-2853
CompactStar CS4 centrifuge, with angle rotor, UK plug	1	521-2854
CompactStar CS4 centrifuge, with angle rotor, CH plug	1	521-2855

Description	Pk	Cat. No.
Accessories		
Spare adapter set for 5 ml (12×75 mm) and 7 ml (13×100 mm) tube sizes (included in standard delivery)	6	521-2856

Microcentrifuge, MiniArray

Ideal for drying microscope slides. It can also be used in a cold room. On closing the lid, the rotor quickly accelerates to maximum speed. Pressing the button stops the operation and opens the lid. Alternatively, the unit can be turned on and off with the switch on the back.

- Quiet and compact design
- Two slides dry in as little as 10 seconds without splashing
- Reusable cassettes catch liquid from the slide while centrifuging

Ordering information: MiniArray supplied with rotor and two slide cassettes.

Model	MiniArray
Max. capacity	2 standard microscope slides
Max. speed (min ⁻¹)	4000
Max. RCF (×g)	1216
Noise level (dB(A))	57
W×D×H (mm)	132×155×110
Weight (kg)	0,75

Description	Pk	Cat. No.
MiniArray with rotor and two slide cassettes, EU-plug	1	521-2849
MiniArray with rotor and two slide cassettes, UK-plug	1	521-2850
MiniArray with rotor and two slide cassettes, CH-plug	1	521-2851

Description	Pk	Cat. No.
Accessories		
Slide cassettes	2	521-2852





Microplate centrifuge, PCR Plate Spinner

The PCR Plate Spinner offers a personal sized centrifuge designed to spin down PCR plates. This unique centrifuge is equipped with a dual position vertical rotor that accepts a wide variety of PCR plates; 96-well, 384-well, skirted and non skirted plates are compatible with the Plate Spinner. The rotor features integral plate guides, ensuring that the plates stay vertical and do not tip inside the rotor.

- Space saving design; quiet, simple operation
- Easy plate loading system
- Quickly spins down droplets and condensation
- Use before and after thermal cycling to improve PCR yield
- Cold room compatible

Model	PCR Plate Spinner
Max. capacity	2 PCR plates
Max. speed (min ⁻¹)	2500
Max. RCF (xg)	500
Power supply	230 V / 50-60 Hz
WxDxH (mm)	191x208x183
Weight (kg)	3

Description	Pk	Cat. No.
PCR Plate Spinner, EU-plug	1	521-1648
PCR Plate Spinner, UK-plug	1	521-1649

Description	Pk	Cat. No.
Accessories		
Adapter for strips, tubes or half plates	2	521-1650

Research tools for life scientists

AYN for **Genomics**



AYN for **Cell Culture**



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AYN for **Biobanking**



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'All You Need' Guides

VWR PROVIDES A UNIQUE COMBINATION OF SERVICING AND SUPPORT FOR ALL YOUR CENTRIFUGES

As the condition of a centrifuge is critical for the most essential tasks in the laboratory, we have developed a complete service solution; from installation, after sales and compliance services to spare parts. Our experienced technicians are trained and certified by all major centrifuge manufacturers and we only use original spare parts supplied by the centrifuge manufacturer, so you can rest assured your centrifuge is being serviced to the highest standard.



CENTRIFUGE SERVICES

Installation: Check the environmental conditions, the marking of the equipment, documentation, installation conforms to manufacturer's instruction, operating instructions and a test run

Preventive maintenance: Check the rotor, rotor chamber, unit, drive, compressor, the electrical system and a test run

Calibration: Timer, speed and temperature calibration

Qualification IQ/OQ/PQ: Performed according to the supplier's operating procedures

Electrical safety test: Safety test according to norms EN/IEC 61010 and additional safety tests according to any other local norms, check the environmental conditions and a visual safety test

Rotor check: Performed according to the supplier's operating procedures



Installation. Compliance. Maintenance

Let us help you service and manage your equipment! using our service teams and our VEM equipment management software. Please visit vwr.com/VEM for more information



Microcentrifuge tubes, 0,65 ml, SuperClear™ boil-proof



Ultra-clear PP, graduated, autoclavable and freezable with flat cap

- Can withstand centrifugation to 30 000×g
- Fits all standard and high capacity rotors
- Flat cap can be easily labelled and pierced, includes a special 90° hinge, making it easier to close while pipetting one handed
- Every lot is tested and guaranteed DNase- and RNase-free

Packaging: Microtubes packed in resealable bags. Assorted colours pack includes red, blue, green, yellow, orange tubes in separate 200 tube bags.

Capacity (ml)	Colour	Pk	Cat. No.
0,65	Transparent	1.000	211-0024
0,65	Yellow	1.000	211-0025
0,65	Orange	1.000	211-0026
0,65	Red	1.000	211-0027
0,65	Violet	1.000	211-0028
0,65	Blue	1.000	211-0029
0,65	Green	1.000	211-0030
0,65	Assorted	1.000	211-0031

Microcentrifuge tubes, 1,5 ml, SuperSpin™



Ultra-clear PP, graduated, autoclavable and freezable with flat caps, easy to open

- Can withstand ultra-high centrifugation to RCF 40 000×g
- Fits all standard and high capacity rotors
- Flat cap can be easily labelled and pierced, includes a special 90° hinge, making it easier to close while pipetting one handed
- Good for phenol/chloroform vortexing
- Every lot is tested and guaranteed DNase- and RNase-free

Packaging: Microtubes packed in resealable bags. Assorted colours pack includes red, blue, green, yellow, orange tubes in separate 100 tube bags.

Capacity (ml)	Colour	Pk	Cat. No.
1,5	Transparent	500	211-0015
1,5	Amber	500	211-0016
1,5	Yellow	500	211-0017
1,5	Orange	500	211-0018
1,5	Red	500	211-0019
1,5	Violet	500	211-0020
1,5	Blue	500	211-0021
1,5	Green	500	211-0022
1,5	Assorted	500	211-0023



Microcentrifuge tubes, 1,7 ml, SuperClear™



Ultra-clear PP, sterile, graduated, autoclavable and freezable with flat cap

- Can withstand centrifugation to 14 000×g
- Fits all standard and high capacity rotors
- Flat cap can be easily labelled and pierced, including a special 90° hinge, making it easier to close while pipetting one handed
- Every lot is tested and guaranteed DNase- and RNase-free

Packaging: 50 microtubes/sterile bag.

Capacity (ml)	Colour	Packed	Pk	Cat. No.
1,7	Transparent	50/bag, 10 bags/pack	500	211-0033



Microcentrifuge tubes, 1,7 ml, SuperClear™



Ultra-clear PP, graduated, autoclavable and freezable, with flat cap

- Can withstand centrifugation to 14 000×g
- Fit all standard and high capacity rotors
- Flat cap can be easily labelled and pierced, including a special 90° hinge, making it easier to close while pipetting one handed
- Every lot is tested and guaranteed DNase- and RNase-free

Capacity (ml)	Colour	Pk	Cat. No.
1,7	Transparent	500	211-0319

Microcentrifuge tubes, 2,0 ml, SuperClear™



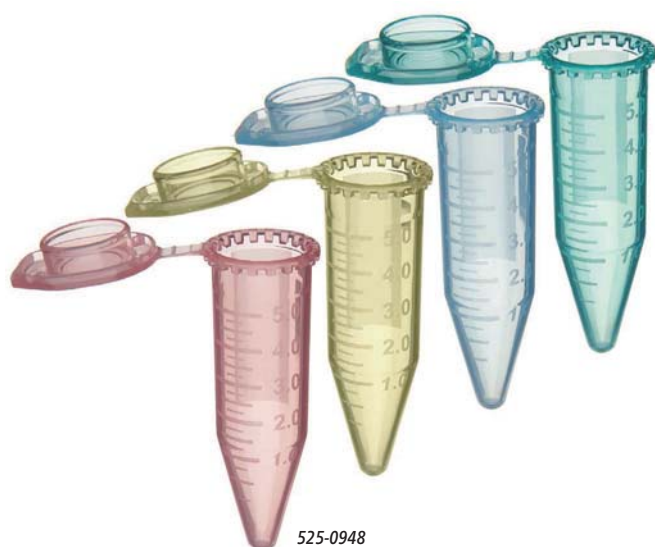
Ultra-clear PP, graduated, autoclavable and freezable with flat cap

- Can withstand centrifugation to 14 000×g
- Fits all standard and high capacity rotors
- Tubes have frosted side labelling surface and flat cap can be easily labelled and pierced
- Every lot is tested and guaranteed DNase- and RNase-free

Packaging: In resealable bag. Assorted colours pack includes red, blue, green, yellow, orange tubes in separate 100 tube bags.

Capacity (ml)	Colour	Pk	Cat. No.
2,0	Transparent	500	211-0034
2,0	Amber	500	211-0035
2,0	Blue	500	211-0036
2,0	Green	500	211-0037
2,0	Assorted	500	211-0038
2,0	Yellow	500	211-0116
2,0	Orange	500	211-0117
2,0	Red	500	211-0118
2,0	Violet	500	211-0119





Centrifuge tubes, SuperClear™



These tubes with hinged snap caps, made of polypropylen, can be used in place of screw cap tubes in some procedures.

- Autoclavable (122 °C)
- Freezable to -80 °C
- Can be centrifuged to 25000 xg

They include a flat snap cap, etched graduations, and a writing surface. Amber tubes for light sensitive materials.

Certified testing is performed lot by lot. These tests include Nuclease (Rnase, Dnase), Endotoxin (pyrogen) and ATP. Certificates are on file at the production facility.

Description	Capacity (ml)	Ø×L (mm)	Packed	Pk	Cat. No.
Natural	5	16,51×56,64	250/bag	250	525-0946
Amber	5	16,51×56,64	250/bag	250	525-0947
Assorted colours	5	16,51×56,64	250/bag	250	525-0948

Microcentrifuge tubes with hinged lid



Polypropylene

This tube will withstand autoclaving (120 °C for 15 minutes at 15 psi), boiling and centrifuging to 5000 xg. The 5 ml tube can be spun in the same centrifuges that accommodates a 15 ml tube.

- Suitable for freezing to -90 °C
- Good chemical resistance
- Frosted marking area on the tube cap is provided for sample tagging and identification



Capacity (ml)	Type	Colour	Packed	Pk	Cat. No.
5,0	non sterile	Natural	200/pack	200	525-0660
5,0	non sterile	Blue	200/pack	200	525-0661
5,0	non sterile	Yellow	200/pack	200	525-0662
5,0	non sterile	Green	200/pack	200	525-0663
5,0	non sterile	Rose	200/pack	200	525-0664
5,0	non sterile	Black	200/pack	200	525-0665
5,0	sterile	Natural	20/pack	200	525-0666



Racks for centrifuge tubes



Rack, PP, white, designed specifically for 5 ml centrifuge tubes, including Eppendorf brand. It also accommodates other tubes with a diameter of 13 to 16 mm.

- Durable and corrosion resistant
- End plates have handles for easy transport and stacking
- Top shelf height: 34 mm

For tubes (ml)	Hole Ø (mm)	No. of holes	WxDxH (mm)	Colour	Pk	Cat. No.
5	13 - 16	40 (4x10)	260x113x105	White	1	525-0971

Centrifuge tube racks, floating



Rack, PP, white. This open style floating rack provides tubes with maximum contact with the water and better circulation of the water bath around the tubes, allowing superior temperature control of samples.

- Durable and corrosion resistant
- Easy transport and stacking
- It works on the benchtop and floats in the water bath



For tubes (ml)	Hole Ø (mm)	No. of holes	WxDxH (mm)	Colour	Pk	Cat. No.
5	13 - 16	24 (3x8)	270x79x54	White	2	525-0972



Cryoboxes, PP



PP, with translucent lid

Designed for use with 5 ml conical centrifuge tubes.

- Temperature resistant to -86 °C
- Alphanumeric grid for easy sample management
- Fits standard 76 mm ULT freezer racks

WxDxH ext. (mm)	Compartments	For	For tube Ø (mm)	Pk	Cat. No.
133x133x64	25	5 ml centrifuge tubes	13 - 16	4	525-0973



Rack, microcentrifuge tube, Rota-Rack® Duo



Work with PCR tubes right next to centrifuge tubes, dilute or take off concentrate using one rack.

- Rotate half the rack to suit particular requirements
- Purple module: 48 places for microtubes 0,5 ml or 48 places for microtubes 1,5 ml
- Blue module: 96 places for PCR tubes or 48 places for microtubes 1,5 ml
- Plate format and therefore compatible with 8-channel multipipettes
- Tapered wells with alphanumeric grid to help identification

For tubes (ml)	No. of holes	WxDxH (mm)	Colour	Pk	Cat. No.
0,2 / 0,5 / 1,5	96 / 48 / 48	296x118x34	Purple/blue	1	211-0369

Racks, microcentrifuge tube

PP, colour coded

Space for up to 80x1,5 or 2,0 ml microcentrifuge tubes. 5x16 array with conical shaped holes to hold microtubes securely.

- Perfect for freezer use
- Side handles for secure handling
- Numbered for easy sample identification

Ordering information: The assorted colour set includes one rack each in blue, green, pink, yellow and orange.



No. of holes	WxDxH (mm)	Colour	Pk	Cat. No.
80 (5x16)	225x67x29	Natural	5	211-0204
80 (5x16)	225x67x29	Orange	5	211-0205
80 (5x16)	225x67x29	Yellow	5	211-0206
80 (5x16)	225x67x29	Blue	5	211-0207
80 (5x16)	225x67x29	Green	5	211-0208
80 (5x16)	225x67x29	Pink	5	211-0209
80 (5x16)	225x67x29	Assorted	5	211-0210



Racks, microcentrifuge tube



PP, coloured

For 96 (8x12) microtubes with 0,5 ml capacity or 96 microtubes with 1,5/2 ml capacity. Conical tapered openings to hold tubes securely. Complete with snap-on lid, which can also be used as a protective base.

- Perfect for freezer use
- Side handles for secure handling
- Numbered for easy sample identification

Ordering information: The assorted colour set includes one rack each in blue, green, pink, yellow and orange.

No. of holes	WxDxH (mm)	Colour	Pk	Cat. No.
96 (8x12)	246x121x51	Natural	5	211-0213
96 (8x12)	246x121x51	Yellow	5	211-0214
96 (8x12)	246x121x51	Blue	5	211-0215
96 (8x12)	246x121x51	Green	5	211-0216
96 (8x12)	246x121x51	Pink	5	211-0217
96 (8x12)	246x121x51	Assorted	5	211-0218

Microtube racks, floating

PP

For maintaining reaction vessels with capacities from 0,5 to 2 ml at constant temperature in water baths. Racks float even when full. The reaction vessels are held firmly in place in the frame and do not float. Handles are provided for easier insertion and removal from the water bath and carrying. Non autoclavable.

- Removable feet enable reaction vessels to be removed quickly and easily
- Also suitable for cryotubes with up to 2 ml capacity
- Stable, good chemical resistance



For tubes (ml)	No. of holes	Form	Ø (mm)	WxDxH (mm)	Colour	Pk	Cat. No.
1,5/2,0	8	Round	68	-	White	4	211-0225
0,4/0,5	16 (4x4)	Square	-	102x102x60	Black	4	211-0224
1,5/2,0	16 (4x4)	Square	-	102x102x60	White	4	211-0223
1,5/2,0	20	Round	98	-	White	4	211-0226



Microtube racks, Mega

PP

- For tubes of diameter 10 - 13 mm
- Storage of high quantity of samples eliminates the need for multiple racks
- Alphanumeric grid for quick location and retrieval of tubes
- Sturdy, lightweight material for easy transport

For tubes (ml)	No. of holes	WxDxH (mm)	Colour	Pk	Cat. No.
0,2/0,5/1,5/2,0	216	337x267x91	White	1	211-0364
0,2/0,5/1,5/2,0	216	337x267x91	Blue	1	211-0363

Microtube storage boxes



PP, coloured

Compact footprint for microtube and cryogenic vial storage. Store 1,5/2,0 ml microtubes or cryogenic vials. With an easy open, friction fit lid. Will fit into most standard freezer racking.

- High transparency, but with a bold identifying colours, with a distinctive wave design
- Uniform wells with location ID. Capacity indicated on the outside of the box
- Black light tight version available for light sensitive samples
- Frosted labeling patch

Delivery information: Assorted colour pack contains one of each colour blue, green, pink, yellow and orange.



WxDxH ext. (mm)	Compartments	Colour	Pk	Cat. No.
50-well boxes, hinged lid with snap clasp				
142x92x56	50	Assorted colours	5	525-0933
142x92x56	50	Natural	5	525-0932
81-well boxes, friction fit lid				
130x130x47	81	Assorted colours	5	525-0940
130x130x47	81	Natural	5	525-0934
130x130x47	81	Blue	5	525-0935
130x130x47	81	Green	5	525-0936
130x130x47	81	Pink	5	525-0937
130x130x47	81	Yellow	5	525-0938

WxDxH ext. (mm)	Compartments	Colour	Pk	Cat. No.
130x130x47	81	Orange	5	525-0939
130x130x47	81	Black	5	525-0941
100-well boxes, hinged lid with snap clasp				
141x151x47	100	Assorted colours	5	525-0925
141x151x47	100	Natural	5	525-0926
141x151x47	100	Blue	5	525-0928
141x151x47	100	Green	5	525-0929
141x151x47	100	Yellow	5	525-0930
141x151x47	100	Orange	5	525-0931
141x151x47	100	Black	5	525-0927

Organisers for microcentrifuge tube racks

Clear acrylic

Organiser for up to eight racks, designed to hold VWR microcentrifuge tube racks Cat. Nos. 211-0204 to 211-0210. These racks help you keep large numbers of microtubes organised on your benchtop. Holds up to eight 80-well microtube racks filled with either 1,5 or 2,0 ml microtubes.

- Stable and sturdy construction, space saving, stackable
- Safe storage, quick and easy access to reaction vessel racks
- Easy to clean



Form	WxDxH (mm)	Colour	Pk	Cat. No.
Horizontal	310x236x122	Transparent	1	211-0211
Vertical	157x236x234	Transparent	1	211-0212



Racks and boxes for microcentrifuge tubes and cryogenic vials



Recycled plastic, autoclavable

24- and 48-place microcentrifuge tube and cryovial storage system. For 1,5 ml and 2,0 ml tubes. Fully autoclavable (122 °C) and freezable (–90 °C).

- Racks fit into VWR pipette tip boxes
- Stackable racks that float, ideal for water baths
- Boxes with clear cover

No. of holes	Description	Pk	Cat. No.
48	Rack in hinged box with lid	5	479-0075
24	Rack in hinged box with lid	10	479-0076
24	Rack, without box	10	479-0077
-	Hinged box for 2x24 place racks, without racks	5	479-0078

Rack for cryogenic vials



PC, autoclavable

Withstands both cryogenic freezing and autoclaving.

- With numeric index of the holes
- Moulded tabs in the bottom of each well to secure vials in place for easier opening and closing
- Ribbed grips make handling with gloves easier



For (ml)	No. of holes	WxDxH (mm)	Colour	Pk	Cat. No.
(Ø 12,5 mm) 1 - 5	50 (5x10)	199x104x24,5	Blue	1	211-0139



Cryovial workstation rack



Constructed from sturdy polypropylene, the VWR® Cryovial Workstation Rack is compact and stackable, with strong handles for safe and easy transport

- Polypropylene construction
- Holds up to 50 Cryogenic Vials
- Autoclavable
- Anti-skid rubber feet for benchtop stability
- Alphanumeric indexing for easy vial identification

For (ml)	No. of holes	WxDxH (mm)	Colour	Pk	Cat. No.
1 - 5	50 (5x10)	205x103x26	Violet	4	479-1869



Centrifuge tubes, SuperClear™



SuperClear™ PP or PS, conical, printed graduation, with purple HDPE flat screw or plug seal caps

- Extra thick walls to allow centrifugation up to 20 000×g
- With extra large, solvent resistant, white labelling area and black graduations
- Flat PE caps can be closed with a quick ¾ turn, allowing one handed opening and closing; leakproof plug seal caps (50 ml tubes only) are perfect for use with horizontal shakers or for extended storage
- Patented Earth Friendly® racks can be labelled with lab markers
- Sterile tubes are radiation sterilised to ensure non cytotoxicity
- Certified non cytotoxic, nuclease-free and pyrogen-free
- Patented ViewPoint™ labelling areas that help reduce smearing of lab markers and also helps protect sample labelling from damage during procedures

Capacity (ml)	Ø×L (mm)	Packed	Type	Pk	Cat. No.
Centrifuge tubes, 15 ml, PS, conical bottom, 3000×g, with moulded graduations and flat screw caps					
15	17×118	Bulk	Non sterile	1.000	525-0147
15	17×118	50/bag, 10 bags/case	Sterile	500	525-0148
15	17×118	25/rack, 2 racks/pack, 10 packs/case	Sterile	500	525-0151
Centrifuge tubes, 15 ml, PP, conical bottom, 17 000×g, with printed graduations and flat screw caps					
15	17×118	bulk (tubes and caps in separate bags)	Non sterile	500	525-0154
15	17×118	50/bag, 10 bags/case	Non sterile	500	525-0149
15	17×118	50/bag, 10 bags/case	Sterile	500	525-0150
15	17×118	25/rack, 2 racks/pack, 10 packs/case	Non sterile	500	525-0152
15	17×118	25/rack, 2 racks/pack, 10 packs/case	Sterile	500	525-0153
Centrifuge tubes, 15 ml, PP, conical bottom, 17 000×g, with printed graduations and plug seal caps					
15	17×118	bulk (tubes and caps in separate bags)	Non sterile	500	525-0312
15	17×118	50/bag, 10 bags/case	Non sterile	500	525-0308
15	17×118	50/bag, 10 bags/case	Sterile	500	525-0309
15	17×118	25/rack, 2 racks/pack, 10 packs/case	Non sterile	500	525-0310
15	17×118	25/rack, 2 racks/pack, 10 packs/case	Sterile	500	525-0311
Centrifuge tubes, 15 ml or 50 ml, conical bottom, PP, 20 000×g, Viewpoint™ writing spot and flat screw caps					
15	17×118	50/bag, 10 bags/case	Sterile	500	525-0498
15	17×118	25/rack, 2 racks/pack, 10 packs/case	Sterile	500	525-0499
50	29×115	50/bag, 10 bags/case	Sterile	500	525-0496
50	29×115	25/rack, 20 racks/case	Sterile	500	525-0497
Centrifuge tubes, 50 ml, PP, 9400×g, free-standing, with printed graduations and flat screw caps					
50	29×115	bulk (tubes and caps in separate bags)	Non sterile	500	525-0160
50	29×115	50/bag, 10 bags/case	Sterile	500	525-0224
Centrifuge tubes, 50 ml, PP, conical bottom, 20 000×g, with printed graduations and flat screw caps					
50	29×115	bulk (tubes and caps in separate bags)	Non sterile	500	525-0159
50	29×115	50/bag, 10 bags/case	Non sterile	500	525-0155
50	29×115	50/bag, 10 bags/case	Sterile	500	525-0156
50	29×115	25/rack, 20 racks/case	Non sterile	500	525-0157
50	29×115	25/rack, 20 racks/case	Sterile	500	525-0158
Centrifuge tubes, 50 ml, PP, conical bottom, 20 000×g, with printed graduations and plug seal caps					
50	29×115	bulk (tube and caps in separate bags)	Non sterile	500	525-0307
50	29×115	50/bag, 10 bags/case	Non sterile	500	525-0303
50	29×115	50/bag, 10 bags/case	Sterile	500	525-0304
50	29×115	25/rack, 20 racks/case	Non sterile	500	525-0305
50	29×115	25/rack, 20 racks/case	Sterile	500	525-0306



Centrifuge tubes, high performance



PP, conical, with purple HDPE flat screw or plug seal caps

These disposable conical bottom and free-standing tubes are extremely versatile, and can be used for routine tasks as well as high speed centrifuging. Rack-packed tubes are packaged in freezable, recyclable, autoclavable racks. Tubes are sterilised by gamma irradiation (except free-standing tubes in bags or bulk). Tubes and caps are autoclavable and freezable.

- Certified non cytotoxic, nuclease-free and pyrogen-free
- Caps available in two styles: Flat screw caps with a smooth surface for additional labelling options, or plug seal caps for a secure seal when using shakers and horizontal incubators
- Easy to read black graduations and white writing area on the side for permanent coding
- Can be used for storing and freezing samples at temperatures down to -80°C
- Can be centrifuged up to $12\,500\times g$

Packaging: In bulk, in bags, or on plastic, autoclavable racks.

Capacity (ml)	Packed	Version	Type	Pk	Cat. No.
Conical bottom					
15	Bulk, tubes and caps in separate bags	Flat screw cap	Non sterile	500	525-0524
15	Bulk, tubes and caps in separate bags	Plug seal cap	Non sterile	500	525-0525
15	50/bag, 10 bags/case	Flat screw cap	Sterile	500	525-0400
15	50/bag, 10 bags/case	Plug seal cap	Sterile	500	525-0449
15	25 tubes per rack, 2 racks/pack, 10 packs/case	Flat screw cap	Sterile	500	525-0401
15	25 tubes per rack, 2 racks/pack, 10 packs/case	Plug seal cap	Sterile	500	525-0450
50	Bulk, tubes and caps in separate bags	Flat screw cap	Non sterile	500	525-0522
50	Bulk, tubes and caps in separate bags	Plug seal cap	Non sterile	500	525-0523
50	50/bag, 10 bags/case	Flat screw cap	Sterile	500	525-0402
50	50/bag, 10 bags/case	Plug seal cap	Sterile	500	525-0447
50	25 tubes per rack, 1 rack/pack, 20 packs/case	Flat screw cap	Sterile	500	525-0403
50	25 tubes per rack, 1 rack/pack, 20 packs/case	Plug seal cap	Sterile	500	525-0448
Free-standing					
50	bulk (tubes & caps in separate bags)	Plug seal cap	Non sterile	500	525-0416
50	50/bag, 10 bags/case	Plug seal cap	Non sterile	500	525-0417
50	50/bag, 10 bags/case	Plug seal cap	Sterile	500	525-0418

Ultra-high performance centrifuge tubes

Resin, medical grade

VWR 15 and 50 ml sterile centrifuge tubes are packaged in sleeves of ten, bringing you a new level of convenience and purity in your centrifuge labware. Each package of 50 tubes is neatly wrapped and compact. Comprised of 5 sections of 10 tubes, each of the sub-packs can be separated without scissors and used anywhere in the lab. Because these sleeves are loaded robotically, each tube is perfectly ordered unlike competing brands. Every sub-pack is labeled with a lot number and sterile expiration date. Each pack has a tear point at the seam, designed specifically for use with gloves. These sleeves of ten feature a validated secure medical grade seal that is so precise, it can withstand immersion without leakage. The sub-packs are far more convenient for clean room washdown than competing packaging.

- Unique 10-tube racks
- Tear open film package designed for use with gloves
- Validated secure medical grade seal for purity
- Certified free of Endotoxin, Rnase/Dnase and ATP

Capacity (ml)	Packed	RCF max. ($\times g$)	Pk	Cat. No.
15	10 tubes/sleeve; 50 sleeves/case	20000	50	525-0790
50	10 tubes/sleeve; 50 sleeves/case	17000	50	525-0791





Centrifuge tubes, ultra-high performance, light-sensitive



IVD

PP, conical, amber, with purple HDPE plug seal caps

Designed to provide protection for light-sensitive samples.

- Printed labelling area for quick and convenient sample identification
- HDPE caps are included
- Available in 15 or 50 ml sizes and offered in a variety of packaging formats
- Certified non cytotoxic, nuclease-free and pyrogen-free



Capacity (ml)	Packed	Sterile	Pk	Cat. No.
15	Bulk (tubes & caps in separate bags)	-	500	525-0440
15	50/bag, 10 bags/case	+	500	525-0441
15	25/rack, 2 racks/pack, 10 packs/case	+	500	525-0442
50	Bulk (tubes & caps in separate bags)	-	500	525-0437
50	50/bag, 10 bags/case	+	500	525-0438
50	25/rack, 20 racks/case	+	500	525-0439

Centrifuge tubes, Ultra High-Performance

IVD

PP

- Printed labelling area for quick and convenient sample identification
- Smooth inner walls for easy filling and sample preparation
- Plug or flat caps are included
- Available in 15 or 50 ml sizes and offered in a variety of packaging formats



Capacity (ml)	ØxL (mm)	Packed	Type	Pk	Cat. No.
15	17x118	50/Rack	Sterile	50	525-0527
50	29x115	25/Rack	Sterile	25	525-0526



Flat caps or plug caps for VWR® centrifuge tubes

Polyethylene, purple

Closure for use with VWR 50 ml tubes. Non sterile. Not autoclavable.

Description	Pk	Cat. No.
Flat caps	500	525-0923
Plug caps	500	525-0924



Centrifuge tubes, large volume

IVD

PP, conical with purple HDPE flat screw caps

Perfect for clarifying large volume solutions or concentrating live cells in tissue culture. Resins are pre-tested, and are free of oleamide and phthalates. These tubes come in a unique balanced package of 2 tubes. The tubes include attached screw caps with integral elastomeric sealing ring that eliminates leaking.

- For standard centrifuge rotors
- Non pyrogenic, RNase/DNase-free
- Sterile and non sterile available
- Tubes fit standard storage racks
- For cushions type 734-0988

Capacity (ml)	Ø×L (mm)	Type	Pk	Cat. No.
175	62×118	Non sterile	48	525-0503
175	62×118	Sterile	48	525-0504
225	62×137	Non sterile	48	525-0505
225	62×137	Sterile	48	525-0506

Centrifuge tubes, metal-free



PP, conical, with natural HDPE flat screw caps

IVD

Ideal for environmental uses such as water analysis and other applications where tubes have the potential to contaminate samples. Tubes are certified free of major critical trace metals to less than 1 ppb.

- Available in two sizes with natural flat caps for easy labelling
- Tubes and caps are made of ultra-high purity CFR 21 compliant resins
- Printed graduation marks and large white writing area

Packaging: Tubes packaged in bulk bags are supplied 50 tubes per bag, 10 bags per case. SBS recyclable rack packaged tubes are supplied 25 per rack, 2 racks per pack, 10 packs per case.



Capacity (ml)	Packed	Pk	Cat. No.
15	Bulk bag	500	525-0460
15	SBS recyclable rack	500	525-0461
50	Bulk bag	500	525-0462
50	SBS recyclable rack	500	525-0463



Centrifuge tubes for urine samples

IVD

PS, conical, with graduations

- Disposable
- Fits standard centrifuge heads
- Caps are made from LDPE

Capacity (ml)	Ø×L (mm)	Packed	Pk	Cat. No.
Centrifuge tubes				
15	17×120	100/box, 10 boxes/case	1.000	525-0146
Caps for centrifuge tubes				
-	-	500/bag, 2 bags/case	1.000	525-0145



525-1104

525-1142

525-1122

Centrifuge tubes

DURAN Group

DURAN®, borosilicate glass

Robust universal centrifuge tubes for a wide variety of applications.

- Very good chemical and thermal resistance
- Max. RCF: 4000×g

DIN 58970 (Part 2)*

Capacity (ml)	Ø×L (mm)	Description	Pk	Cat. No.
6	12×100	Centrifuge tubes, round bottom	1	525-1102
12	16×100	Centrifuge tubes, round bottom	1	525-1104
25	24×100	Centrifuge tubes, round bottom	1	525-1106
50	34×100	Centrifuge tubes, round bottom	1	525-1108
80	40×115	Centrifuge tubes, round bottom	1	525-1110
80	44×100	Centrifuge tubes, round bottom	1	525-1112
250	56×147	Centrifuge tubes, round bottom	1	525-1114
25	24×100	Centrifuge tubes with conical bottom, angle 60°	1	525-1132
50	34×100	Centrifuge tubes with conical bottom, angle 60°	1	525-1142
12	16×100	Centrifuge tubes with conical bottom, angle 30°	1	525-1122

* 525-1110 and 525-1114 not in accordance with DIN

Boxes for 15 or 50 ml tubes, Transformer™ Cube



PP, with clear lid

Robust, rugged construction for repeated storage. Snap-in one of the two included grids, either 15 ml tube grid or the 50 ml tube grid.

- Deep grid wells securely hold tubes upright
- Locate tubes easily with keyed lid, imprinted grid and first tube orientation
- View tube storage through clear lid and transparent sides

Colour	W×D×H (mm)	Pk	Cat. No.
Purple	132×132×129	5	211-0370

Cryo boxes for centrifuge tubes, 15 or 50 ml



PP, autoclavable

Perfect for long-term storage of samples

- With labelled zone and numerical reference grid
- Clear cover
- Autoclavable (+121 °C), temperature resistant to -90 °C



W×D×H ext. (mm)	Description	For tubes (ml)	Pk	Cat. No.
138×138×126	for 16 tubes with lid	50	2	479-0079
138×138×126	for 36 tubes with lid	15	2	212-0043



Four-way microtube and test tube racks, Cube-Rack model



PP, coloured

With four sides that can be loaded independently. Can be clipped together. Practical and compact. Very good chemical resistance. High thermal resistance, autoclavable.

- Side 1: 4 holes for 50 ml tubes
- Side 2: 10 holes for 15 ml tubes
- Side 3: 12 holes for 12x75 mm or 12x100 mm tubes
- Side 4: 16 holes for 1,5/2,0 ml microtubes

Ordering information: The colour coded kit includes one rack of each colour: Orange, blue, green, pink and yellow.

Description	No. of holes	For tubes	Colour	Pk	Cat. No.
Cube-Rack	4/10/12/16	50 ml/15 ml/12x75 mm/1,5/2,0 ml	Assorted	5	211-0345

Racks, centrifuge and test tube, puzzle rack

Two-sided puzzle-shaped pieces hold an assortment of 1,5, 2,0, 15 and 50 ml tubes. Pieces can be used separately for small sample applications or connected in a square or row configuration. Set of four pieces.

For tubes (ml)	No. of holes	WxDxH (mm)	Colour	Pk	Cat. No.
1,5/2,0 ; 15 ; 50	17/8	151x135x66	Assorted	1 SET	211-0377



Racks, centrifuge tube

PP, coloured

Suitable for VWR centrifuge tubes with conical bottom. The interlocking design of each rack makes them ideal for creating a user friendly workstation.

- Available for 15 or 50 ml tubes
- Freezable, recyclable, autoclavable
- Stackable to minimise storage space

Ordering information: Assorted colour rack cases include one blue, green, orange, red, and yellow rack per case.

For tubes (ml)	No. of holes	Colour	Pk	Cat. No.
15	25	Blue	5	525-0434
15	25	Green	5	525-0435
15	25	Natural	5	525-0428
15	25	Orange	5	525-0431
15	25	Purple	5	525-0433
15	25	Red	5	525-0432
15	25	White	5	525-0429
15	25	Yellow	5	525-0430
15	25	Assorted	5	525-0436

For tubes (ml)	No. of holes	Colour	Pk	Cat. No.
50	25	Blue	5	525-0425
50	25	Green	5	525-0426
50	25	Natural	5	525-0419
50	25	Orange	5	525-0422
50	25	Purple	5	525-0424
50	25	Red	5	525-0423
50	25	White	5	525-0420
50	25	Yellow	5	525-0421
50	25	Assorted	5	525-0427



Test tube racks, Rota-Rack™



PP, coloured

Racks with four independently rotating modules coloured purple, blue, green and yellow for simultaneous loading with test tubes, culture tubes, centrifuge tubes or microcentrifuge tubes of different sizes.

- Very good thermal resistance, autoclavable
- Type A: With one side each for 2×50 ml tubes, 8×15 ml tubes, 6×20 mm tubes and 10 tubes with 10 - 13 mm diameter
- Type B: With one side each for 6×15 ml tubes, 9×1,5/2,0 ml microcentrifuge tubes, 12×0,5/0,6 ml microcentrifuge tubes and 32×0,2 ml PCR tubes or four strips with eight PCR tubes



No. of holes	For tube Ø (mm)	For tubes (ml)	WxDxH (mm)	Type	Pk	Cat. No.
8 - 40	10 - 30	50/15	224×110×110	A	1	211-0378
24 - 128	6 - 18	0,2/0,5/0,6/1,5/2,0/15	210×100×100	B	1	211-0379

Four-way microtube and test tube racks



PP, coloured

With four sides that can be loaded independently. Create as large a rack as needed by linking together multiple racks. Practical and compact. Very good chemical resistance. High thermal resistance, autoclavable.

- Side 1: 4×30 mm diameter holes for 50 ml centrifuge tubes
- Side 2: 12×17 mm diameter holes for 15 ml centrifuge tubes
- Side 3: 32×12 mm diameter holes for 1,5/2,0 ml microcentrifuge tubes
- Side 4: 32×8 mm diameter holes for 0,5 ml microcentrifuge tubes



Colour	WxDxH (mm)	Pk	Cat. No.
Orange	175×95×51	1	211-0200
Green	175×95×51	1	211-0201
Pink	175×95×51	1	211-0202
Yellow	175×95×51	1	211-0203



Tube rack, universal, for 15 - 50 ml tubes

PP

Quickly change aperture by opening the 'iris' with a turn of the knob or directly insert a tube into the opening.

- Holds up to 12 similar size tubes with a diameter from 16 - 30 mm
- Imprinted references for easy tube identification
- Not suitable for autoclaving

Description	No. of holes	For tube Ø (mm)	WxDxH (mm)	Pk	Cat. No.
Universal tube rack for 15 - 50 ml tubes	12	16 - 30	194×140×51	1	211-0380

Racks for centrifuge tubes and bottles



Steel with an epoxy coating, autoclavable

Racks for 15 and 50 ml centrifuge tubes and 250 ml centrifuge bottles. Can also be used for all other types of tubes.

- Ribbed base for better stability of the tubes
- Very good chemical resistance



For tubes (ml)	Hole Ø (mm)	No. of holes	WxDxH (mm)	Colour	Pk	Cat. No.
15	20	15	127×76×76	Blue	1	525-0741
50	30	8	77×88×140	Blue	1	211-0197
250	60	6	205×135×104	Blue	1	525-0742

Centrifuge tube racks, Pop-Up™

PP

Close flat for storage and ,pop up' for quick use.

- Simple easy action to open and close
- Designed to help organise storage of 15 and 50 ml tubes
- Stackable in open or closed position
- Imprinted grid aids quick identification and retrieval
- Collapse flat (height 21 mm) for compact storage

Note: Robust PP construction but not recommended for cleaning in an autoclave



For tubes (ml)	No. of holes	WxDxH (mm)	Colour	Pk	Cat. No.
15	45	255×137×72	Purple	2	525-0510
50	18	255×137×72	Green	2	525-0511
15/50	33 (21+12)	255×137×72	Blue	2	211-0367
15/50	33 (21+12)	255×137×72	Pink	2	211-0368

PCR tube strips, 0,2 ml, and cap strips



PP

Designed to fit most popular brands of thermal cycler.

- Certified free from DNase, RNase and Human DNA
- Available with domed or flat caps

Description	Colour	Pk	Cat. No.
Strips of 8 PCR tubes, without caps	Clear	125	732-1517
Strips of 8 PCR tubes, with detached flat cap strips	Clear	250	732-1520
Strips of 8 PCR tubes, with detached domed cap strips	Clear	250	732-1521
Strips of 8 PCR caps, domed	Clear	125	732-1518
Strips of 8 PCR caps, flat	Clear	125	732-1519



732-2387



732-2386



732-2388

PCR plates, 96-well



PP

These PCR plates are compatible with most thermal cyclers, including the Applied Biosystems 9600 and 9700, and the MJ Research PTC-100, and are ideal for high throughput screening thermal cycler applications.

- Smooth, thin, uniform well walls ensure accurate thermal transfer
- Plates are thin, flexible and easy to cut
- Certified free from DNase, RNase and human genomic DNA
- Printed alphanumeric labelling and cut corner simplifies plate orientation and sample identification

Working capacity: 200 µl

Description	Colour	Pk	Cat. No.
Standard profile, non-skirted	Clear	100	732-2387
Standard profile, non-skirted	Blue	100	211-0264
Standard profile, non-skirted	Green	100	211-0265
Standard profile, non-skirted	Purple	100	211-0266
Standard profile, non-skirted	Red	100	211-0267
Standard profile, non-skirted	Yellow	100	211-0268
Standard profile, non-skirted	Assorted	100	211-0263
Low profile, non-skirted	Clear	100	732-2386
Fully skirted	Clear	100	211-0297
Fully skirted	Blue	100	211-0300
Fully skirted	Green	100	211-0301
Fully skirted	Purple	100	211-0302
Fully skirted	Red	100	211-0303
Fully skirted	Yellow	100	211-0304
Fully skirted	Assorted	100	211-0298
Raised well	Clear	100	211-0269
Half-skirted	Clear	100	732-2390
Low profile, half-skirted	Clear	100	732-2388
Low profile, raised half-skirt	Clear	100	732-2389

Description	Colour	Pk	Cat. No.
Accessories			
Strips of 8 PCR caps, domed	Clear	125	732-1518
Strips of 8 PCR caps, flat	Clear	125	732-1519
8-cap strips for PCR plates (except 732-2386, 732-2387, 732-2388, 732-2389, 732-2390)		125	732-0550



PCR plates, 384-well



PP

These PCR plates are compatible with most thermal cyclers and are ideal for high throughput screening thermal cycler applications.

- Smooth, thin, uniform well walls ensure accurate thermal transfer
- Wells are slightly raised to accommodate sealing mats, films or foils
- Plates are skirted to allow barcoding and include a frosted labelling area
- Lot tested and certified free from DNase, RNase and human genomic DNA
- Printed alphanumeric labelling simplifies plate and sample identification

Working capacity: 25 µl

Description	Colour	Pk	Cat. No.
PCR plates, 384-well	Natural	100	211-0305

Adhesive PCR film seals

These heat resistant 50 µm thick films are designed for thermal cycling applications. Polypropylene films are not pierceable. For PCR applications where piercing with pipette tips or robotic probes is required for product recovery, use aluminium foil films. For Real-Time PCR applications where maximum optical clarity is required, use optically clear polyester films.

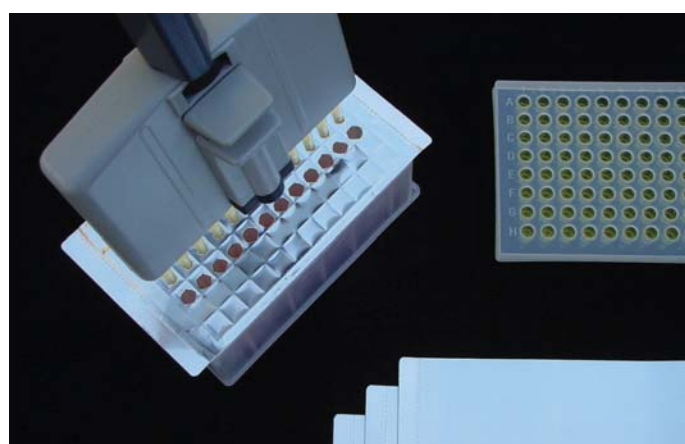
- Recommended for temperatures from -40 °C to +120 °C
- Certified free from DNase, RNase and nuclease

Each film LxD: 135,1×79,4 mm with sufficient sealing area for all PCR plates

Length with end-tabs removed: 123,1 mm

Description	Pk	Cat. No.
PP, non sterile	100	391-1254
PP, sterile	100	391-1255
PP, non sterile, strips to seal 2×8 wells	200	731-0321
Advanced PP films, non sterile*	100	391-1294

* stronger, thicker adhesive and cut to fit raised-rim plates



Adhesive PCR foil seals

These soft non permeable 38 µm thick aluminium foils with strong medical grade adhesive eliminate the need for heat-sealing devices or mats during thermal cycling. Compared to other aluminium foils, these foils have less tendency to roll back on themselves when removing the backing paper and fit well to the plate during application. Sterile product is packaged in tamper evident bags of 25/bag.

- Recommended for temperatures from -80 to +120 °C
- Easily pierceable with pipette tips and robotic probes
- Excellent vapour barrier, virtually no sample evaporation
- Certified free from DNase, RNase and nuclease

Each foil LxD: 142,9×82,6 mm with sufficient sealing area for all PCR plates.

Length with end-tabs removed: 125,4 mm.

Description	Pk	Cat. No.
Aluminium foils, non sterile	100	391-1256
Aluminium foils, sterile	50	391-1257



Centrifugal filters

PP insert and receiver tube

MWCO filters are ideal to concentrate, purify and desalt peptides, proteins, oligonucleotides, DNA and RNA.

The 0,2 and 0,45 µm centrifugal filters are used for particulate removal, sample clarification or pre-filtration clean up of large agarose or acrylamide gel debris prior to further purification with a MWCO device.

- Low binding, typical recovery greater than 90%
- Sealed membrane

Fits rotors that accept 1,5 ml tubes

Dead volume	Filtration area (cm ²)	Max. RCF (×g)	Sample volume (µl)	Temperature (°C)
PES (polyethersulfone) membrane				
<5 µl	0,28	14000	Max. 500	0...40
Nylon membrane				
<5 µl	0,28	14000	Max. 500	0...40

MWCO (kD)	Pore size (µm)	Colour code	Pk	Cat. No.
PES (polyethersulfone) membrane				
3		Grey	100	516-0227
3		Grey	500	516-0228
10		Blue	100	516-0229
10		Blue	500	516-0230
30		Red	100	516-0231
30		Red	500	516-0232

MWCO (kD)	Pore size (µm)	Colour code	Pk	Cat. No.
Nylon membrane				
	0,2	Turquoise	100	516-0233
	0,2	Turquoise	500	516-0234
	0,45	Purple	100	516-0235
	0,45	Purple	500	516-0236

Slide holders for centrifuges, Q Path® Quickspot

The Q Path® Quickspot and slide holder for Turbitec are centrifugation accessories used to carry out cyto-centrifugation. They allow a cell suspension to be deposited on a slide (e.g. gynaecological specimens). The slide holder is a support for positioning the slide and Quickspot is the sample filling chamber.

- Q Path® slide holder (reusable) and Q Path® Quickspot (single use) both suitable for IVD applications
- The two accessories fit together and are used together
- Resistant to centrifugation up to 2039 ×g for 30 minutes

NOTE: For use with Hettich® centrifuges (Rotofix, Rotina) and compatible rotor and buckets.

IVD



Description	Pk	Cat. No.
Q Path® QuickSpot, sampling volume of 8 ml per chamber	500	630-2094
Q Path® Slide holder	1	630-2093
Q Path® Turbitec slides	50	630-2095



Cytofunnel, Q Path Cytocuvette®

The Q Path Cytocuvette® is a disposable plastic centrifugation chamber that is suitable for use with all cyto-centrifuges. The device has 2 funnels with 2 apertures for concentration of the cells onto a slide and an attached filter with a large absorption capacity. Requires a suitable centrifuge holder.

- Simple, easy to use
- Reduces cross-contamination risks
- Ideal for cyto-centrifugations of non gynaecological specimens

Description	Volume (µl)	Pk	Cat. No.
Q Path® Cytocuvette	100 - 800	600	720-1999

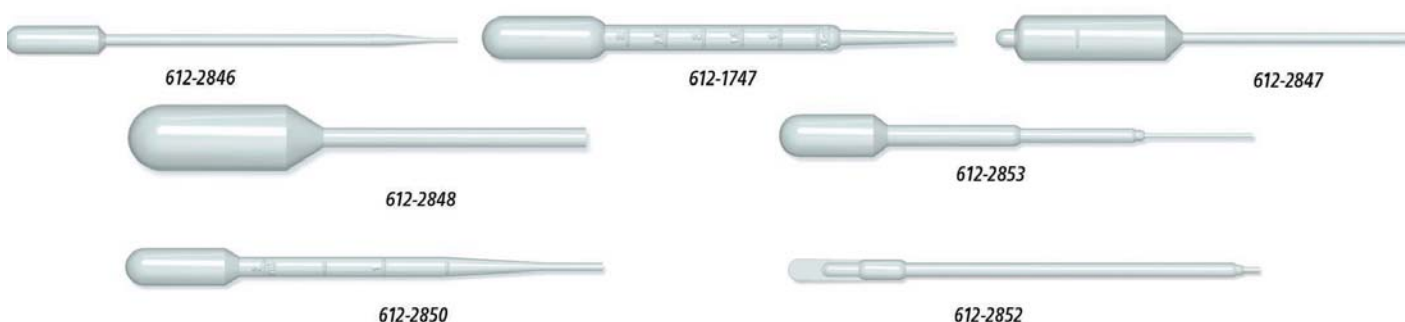
Transfer pipettes, High Performance

LDPE, disposable

These unbreakable all in one pipettes eliminate the hazard of broken glass and exposure to infectious materials. The low-affinity surface reduces the loss of cells and valuable proteins due to binding. They work well whenever there is a need for quick, safe transfer of fluids.

- Non toxic and inert to biological fluids and most acids
- Can be heat-sealed and frozen at very low temperatures such as in liquid nitrogen
- Available sterile or non sterile
- Sterility assurance level is SAL10⁻⁶

Packaging: Sterile pipettes are packaged in medical grade paper and non toxic film.



Capacity (ml)	Drops per ml	Suction volume (ml)	Stem Ø (mm)	Length (mm)	Graduation (ml)	Sterile	Packed	Pk	Cat. No.
General purpose									
1,5	25	1,0	5	87	-	-	Bulk	1.000	612-2846
1,5	28	1,0	5	123	-	-	Bulk	1.000	612-2849
Graduated									
3,0	22	1,0	5	138	1,0	-	Bulk	500	612-2851
5,0	23	1,0	5	150	1,0	-	Bulk	500	612-1684
5,0	23	1,0	5	150	1,0	+	Individual	500	612-1685
5,0	23	1,0	5	150	1,0	+	5 per bag	500	612-1686
5,0	23	1,0	5	150	1,0	+	10 per bag	500	612-1687
6,0	22	1,5	5	230	1,5	-	Bulk	400	612-2842
6,0	22	1,5	5	230	1,5	+	Individual	500	612-2843
6,0	22	1,5	5	230	1,5	+	5 per bag	500	612-2844
6,0	22	1,5	5	230	1,5	+	10 per bag	500	612-2845
7,0	21	3,0	7,8	150	3,0	-	Bulk	500	612-1681
7,0	21	3,0	7,8	150	3,0	+	Individual	500	612-1747
7,0	21	3,0	7,8	150	3,0	+	5 per bag	500	612-1682
7,0	21	3,0	7,8	150	3,0	+	10 per bag	500	612-1683
Extra large									
14,0	18	10,0	4	170	-	-	Bulk	200	612-2847
23,0	22	10,0	9	300	-	-	Bulk	600	612-2859
Narrow stem									
1,2	25	0,9	2,5	63	-	-	Bulk	500	612-2848
4,0	22	3,5	2,5	83	-	-	Bulk	1.000	612-2841
4,0	28	3,5	2,5	150	-	-	Bulk	500	612-1688
4,0	28	3,5	2,5	150	-	+	Individual	500	612-1756
4,0	28	3,5	2,5	150	-	+	5 per bag	500	612-1689
4,0	28	3,5	2,5	150	-	+	10 per bag	500	612-1690
Fine tip									
1,5	50	1,0	3	104	-	-	Bulk	400	612-2853
5,0	65	3,5	5	144	-	-	Bulk	500	612-2856
5,0	65	3,5	5	144	-	+	Individual	500	612-2857
5,0	65	3,5	5	144	-	+	10 per bag	500	612-2858
6,0	-	6,0	6,3	150	-	-	Bulk	400	612-4464
6,0	-	6,0	6,3	150	-	+	Individual	500	612-4465
7,0	66	6,0	6,3	150	-	+	5 per bag	500	612-2854
7,0	66	6,0	6,3	150	-	+	10 per bag	500	612-2855
Blood bank									
5,0	22	2,0	6,7	155	2,0	-	Bulk	500	612-2850
Paddle									
3,0	33	0,2	3,8	130	-	-	Bulk	500	612-2852



Graduated, large bulb

Transfer pipettes, Standard Line



LDPE, disposable

These unbreakable all-in-one pipettes eliminate the potential hazard of broken glass and exposure to infectious materials. The low-affinity surface reduces the loss of cells and valuable proteins due to binding. They work well whenever there is a need for quick, safe transfer of fluids.

- Will not shatter or break
- Non toxic and inert to biological fluids and most acids
- Can be sealed and refrigerated; can be gas sterilised
- No bulb to insert or remove
- Uniform drop size

	Capacity (ml)	Drops per ml	Suction volume (ml)	Length (mm)	Graduation (ml)	Sterile	Packed	Pk	Cat. No.
Graduated, large bulb									
	5,8	25	3,4	155	0,25	-	Bulk	500	612-4494
	5,8	25	3,4	155	0,25	-	Peel-off pouch (100x5)	500	612-4542
	5,8	25	3,4	155	0,25	-	Peel-off pouch (50x10)	500	612-4533
	5,8	25	3,4	155	0,25	+	Peel-off pouch (50x10)	500	612-4523
	5,8	25	3,4	155	0,25	+	20 per bag	500	612-4491
	5,8	25	3,4	155	0,25	+	Individually wrapped	500	612-4497
	7,0	20	3,0	153	1,0	-	Bulk	500	612-4472
	7,0	20	3,0	153	1,0	+	Individually wrapped	500	612-4473
	7,5	20	3,2	155	0,5	-	Bulk	500	612-4545
	7,5	20	3,2	155	0,5	+	Peel-off pouch (100x5)	500	612-4536
	7,5	20	3,2	155	0,5	+	Peel-off pouch (50x10)	500	612-4538
	7,5	20	3,2	155	0,5	+	20 per bag	500	612-4502
	7,5	20	3,2	155	0,5	+	Individually wrapped	500	612-4543
Graduated, small bulb									
	3,0	25	2,1	140	0,25	-	Bulk	500	612-4520
Graduated, thin stem									
	1,5	21	0,8	116	0,1	-	Bulk	500	612-3399
	1,5	21	0,8	116	0,1	+	20 per bag	500	612-4468
	1,5	21	0,8	116	0,1	+	Individually wrapped	500	612-4469
Non graduated, standard									
	7,5	20	3,2	155	-	-	Bulk	500	612-4504
	7,5	20	3,2	155	-	+	20 per bag	500	612-4505
	7,5	20	3,2	155	-	+	Individually wrapped	500	612-4506
	15,0	19	8,0	155	-	+	Individually wrapped	250	612-4513

	Capacity (ml)	Drops per ml	Suction volume (ml)	Length (mm)	Graduation (ml)	Sterile	Packed	Pk	Cat. No.
Non graduated, general purpose									
	1,7	25	0,9	87	-	-	Bulk	500	612-3608
	1,7	25	0,9	87	-	+	20 per bag	500	612-4470
	1,7	25	0,9	87	-	+	Individually wrapped	500	612-4471
Non graduated, general purpose, large bulb									
	8,0	20	4,6	152	-	+	20 per bag	400	612-4508
	8,0	20	4,6	152	-	+	Individually wrapped	400	612-4509
	9,3	18	4,8	137	-	-	Bulk	250	612-4511
Non graduated, narrow stem, standard									
	4,6	22	3,3	155	-	-	Bulk	500	612-3609
	4,6	22	3,3	155	-	+	Peel-off pouch (100x5)	500	612-4526
	4,6	22	3,3	155	-	+	Peel-off pouch (50x10)	500	612-4527
	4,6	22	3,3	155	-	+	20 per bag	500	612-4479
	4,6	22	3,3	155	-	+	Individually wrapped	500	612-4481
	4,6	22	3,3	155	-	+	Individually wrapped	500	612-4481
Non graduated, narrow stem, large bulb									
	4,0	25	3,0	86	-	-	Bulk	500	612-4476
	15,0	19	8,0	155	-	-	Bulk	250	612-4512
Non graduated, long									
	5,5	25	2,3	230	-	-	Bulk	500	612-3610
	5,5	25	2,3	230	-	+	20 per bag	400	612-4499
	5,5	25	2,3	230	-	+	Individually wrapped	400	612-4500
Non graduated, extra long									
	23,0	20	7,3	300	-	-	Bulk	100	612-3627
	23,0	20	7,3	300	-	+	20 per bag	100	612-4514
	23,0	20	7,3	300	-	+	Individually wrapped	100	612-4515
Non graduated, fine tip, standard									
	5,8	50	3,3	147	-	-	Bulk	500	612-4492
	5,8	50	3,3	147	-	-	Peel-off pouch (50x10)	500	612-4530
	5,8	50	3,3	147	-	+	20 per bag	500	612-4495
	5,8	50	3,3	147	-	+	Individually wrapped	500	612-4496
Non graduated, extended fine tip, large bulb									
	5,0	50	3,3	153	-	-	Bulk	250	612-4486
	5,0	50	3,3	153	-	+	20 per bag	500	612-4490
Non graduated, extended fine tip, small bulb									
	1,5	50	1,0	104	-	-	Bulk	400	612-3619
	1,5	50	1,0	104	-	+	20 per bag	500	612-4466
	1,5	50	1,0	104	-	+	Individually wrapped	400	612-4518



Pasteur pipettes



Glass, disposable, non sterile

- Automated manufacturing process ensuring total uniformity of production
- Tapered upper opening for cotton ball plugging
- Top body outer diameter: 7,1 mm, wall thickness: 0,53 mm, jet outer Ø: 1,50 mm

Description	Capacity (ml)	Length (mm)	Pk	Cat. No.
Non plugged	2,0	150	250	612-1701
Non plugged	2,0	230	250	612-1702
Non plugged, breakable tip	2,0	230	250	612-3850
Non plugged, breakable tip	2,0	270	250	612-3860
Pre-plugged	2,0	150	250	612-1798
Pre-plugged	2,0	230	250	612-1799
Pre-plugged, breakable tip	2,0	230	250	612-3849
Pre-plugged, breakable tip	2,0	270	250	612-3861

Pipette bulbs



Natural latex

- For Pasteur pipettes, small pipettes, and medical drop counters

Capacity: 1 - 2 ml

Length: 38/57 mm

Description	Pk	Cat. No.
Dropper bulbs, 1 ml, 38 mm	72	612-2691
Dropper bulbs, 2 ml, 57 mm	72	612-2693



The VWR CATALYST Technical Service Team offers a wide range of servicing options to support your scientific and analytical equipment



In VWR repair centres across Europe, our expert teams of manufacturer-trained technicians can repair small equipment and measuring instruments. In addition to servicing our VWR Collection products, these highly equipped workshops handle every brand, every type of model, even those not sold by us, minimising your downtime and providing a professional, cost effective and timely solution. Repairs can be followed with a calibration procedure to make sure that your equipment is in compliance with GMP/GLP and FDA regulations.

We have an extensive knowledge and a wide range of manufacturer original spare parts to re-invigorate the following equipment:

- pH meters
- Conductivity meters
- Turbidity meters
- Shakers
- Mixers
- Stirrers
- Hotplates
- Heating baths
- Data loggers
- Pumps
- Spectrophotometers
- Air samplers
- Centrifuges
- Balances
- Autoclaves
- Refrigerators
- Incubators
- etc...

Specialist services

Air sampler calibration services

Air samplers are key to any environmental monitoring programme, so regular checking of the volume of aspirated air is imperative to ensure that there are no errors in the monitoring of contamination. VWR has a comprehensive calibration and service programme on air samplers. We recommend performing a calibration every 6 - 12 months and also if the air sampler has potentially been damaged or the flow rate compromised.

Brand independent calibration and adjustment of thermometers and data loggers

Our fast, efficient and competitive service provides calibration, adjustment and repair services for all brands and models both with and without accreditation. Our tailored services can meet any specific calibration demand you may have. All calibration services are directly traceable to a National Measurement Standard or can be certified with ISO 17025:2005 accreditation. Every calibrated thermometer or data logger is provided with a calibration certificate.



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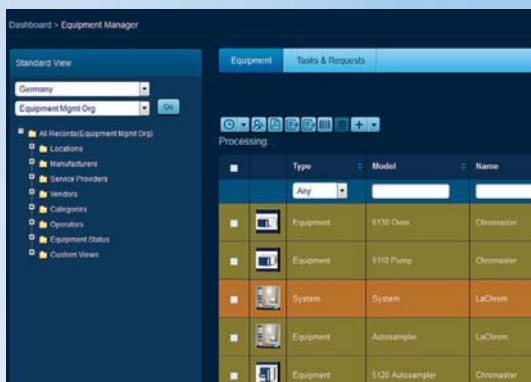
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- Tracks all equipment service management needs: service records, preventive maintenance schedules, creates service requests, etc
- Enables strategic procurement decisions based on information stored: total cost of ownership
- Contract and warranty management
- Runs reports and creates key performance indicators
- Compares performance of manufacturers, service providers, vendors, etc

VEM combines your equipment portfolio, maintenance scheduling, inventory and work order management together for quick and easy administration, tracking and decision making.



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