

VWR® Centrifuges

01. MICRO CENTRIFUGES

02. BENCHTOP CENTRIFUGES

03. CLINICAL CENTRIFUGES



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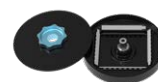
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VWRA521-3312



VWRA521-3313



VWRA521-3314



VWRA521-3315



Electronic Safety Brake for user safety



Patented Magnetic Design Rotor



Digital Display for Speed and Time



Microprocessor controlled



Brushless DC motor



Microprocessor controlled



Compact & Light Weight



Good Airflow Design

THE SMART PERSONAL CENTRIFUGE WITH A MICROPROCESSOR

- Magnetic design for tool-free rotor removal
- 8 place closed rotor for better airflow, better efficiency and low heat generation
- Electronic brake for immediate stop on lid opening for user safety
- Saves time by doing quick runs by simply closing and opening the lid
- Next gen design with digital display
- Robust & compact construction for longer life
- Microprocessor controlled centrifuge with variable speed and time setting, along with last run memory function
- User enabled digital calibration function
- Whisper-quiet operation
- Small foot print for saving valuable bench space, suitable for use in hoods and cold rooms

Specifications	VWRA521-2778	VWRA521-2794
Rotor	8 x 1.5/2.0 ml Microtubes	
Maximum RPM/RCF (g)	6000 / 2000g	
Display	Digital Display (Only in iFuge M08VT)	
Imbalance Detection	No	Yes
Noise Level	< 55db	
Variable Speed	N.A.	Yes (1000-6000 RPM in steps of 100RPM)
Timer	Infinite mode	1-25 Minutes & infinitemode
Dimensions (L x W x H)	162 x 157 x 116 mm	
Weight	1.1 Kgs	
Rotors and Adaptors (included in standard pack)	8 x 1.5/2.0 ml Closed Rotor PCR Strip Rotor (2 x 8 x 0.2 ml) Reduction adaptors for 0.2/0.5 ml Microtubes	

Description	Part Numbers
Personal Micro Centrifuge, Fix Speed 6000 RPM, 8 X 1.5 / 2.0 mL Magnetic Rotor	VWRA521-2778
Personal Micro Centrifuge, Speed 6000 RPM, 8 X 1.5 / 2.0 mL Rotor, Speed, Timer & Brushless Motor	VWRA521-2794

THE TABLETOP CENTRIFUGE WITH A MICROPROCESSOR & BRUSHLESS MOTOR

- Intuitive interface for quick and convenient setting
- Better airflow design for lesser heat generation, greater sample safety and lesser noise
- Brushless DC motor – Free from maintenance and better delivery of power/weight ratio, fit for extended runs
- Imbalance detection with auto cut off
- Lid lock safety - Lid opens automatically on run completion
- One touch Short Spin operation & RPM/RCF conversion
- Microprocessor controlled Centrifuge with last run memory feature
- Small foot print for saving valuable bench space
- Suitable for use in hoods or cold rooms

Specifications	Description
Rotor Capacity	12 x 1.5ml / 2.0ml microtubes
Maximum RPM / RCF	15000 / 15596g
Display	Large digital display
Imbalance Detection	Yes
Motor Type	Brushless DC motor
Timer Setting	Countdown timer from 1-99 Mins & infinity mode
Dimensions (L x W x H)	187 x 265 x 115 mm
Noise Level	< 60db
Weight	2.2 Kgs
Rotors and Adaptors (included in standard pack)	Reduction adaptors for 0.2 ml microtubes, Reduction adaptors for 0.4/0.5 ml microtubes

Description	Part Numbers
Table Top High Speed Micro Centrifuge, Speed 15000 RPM with 2 X 8 X 0.2 mL PCR Rotor, LED Display	VWRA521-3307
Table Top High Speed Micro Centrifuge, Speed 15000 RPM with 12 X 1.5 / 2.0 mL Rotor, LED Display	VWRA460-0365



VWRA521-2796



VWRA521-2798



Brushless DC motor



Microprocessor controlled



Imbalance detection



Digital display

HIGH SPEED MICRO CENTRIFUGE WITH A MICROPROCESSOR & BRUSHLESS MOTOR

- Brushless DC motor – maintenance free, delivers better power/weight ratio and fit for extended runs
- Microprocessor controlled centrifuge with variable speed and time setting, along with last run memory function
- Compatible with hematocrit rotor & PCR strip rotor
- One touch short spin operation & change over from RPM to RCF
- Intuitive simple interface for quick and convenient setting
- Better airflow design for lesser heat generation, greater sample safety and lesser noise
- Lid lock safety-Lid opens automatically on run completion
- Timer setting 1 to 99 minutes & infinite mode
- Small footprint for saving valuable bench space
- Suitable for use in hoods or cold rooms

Specifications	Description
Rotor Capacity	12 x 1.5 / 2ml microtubes
Maximum RPM/RCF (g)	15000 RPM / 15596g
Timer Setting	1 to 99 Mins & infinite mode
Display	Digital display
Imbalance Detection	Yes
Noise Level	< 60db
Rotor	Rotor with screw on lid (for better contamination protection)
Motor Type	Brushless DC motor
Dimensions (L x W x H)	260 x 244 x 205 mm
Weight	4 Kgs (with rotor)

* Rotor supplied as standard accessory

Description	Part Numbers
High Speed Micro Centrifuge, Speed 15000 RPM, 12 X 1.5 / 2.0 mL Rotor with LED Display	VWRA521-2797
24 X 40mm Capillary Tubes Rotor	VWRA521-2798
PCR Strip Rotor with 2 X 8 X 0.2 mL Capacity	VWRA521-2796



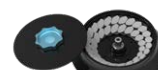
VWRA521-3312



VWRA521-3313



VWRA521-3314



VWRA521-3315



Microprocessor controlled



Large back-lit LED Display



Imbalance detection



Multiple rotor options

REFRIGERATED HIGH SPEED MICRO CENTRIFUGE

- Max capacity of 44 x 1.5 / 2 ml – delivers upto 15000RPM
- Brushless DC motor for maintenance-free long life
- Microprocessor controlled centrifuge with variable speed and time setting, along with last run memory function
- Timer setting from 30 secs to 999 minutes and infinite mode
- Adjustable refrigeration temperature Up to -20°C
- Maintains constant temperature of 40°C even at max speed of 15,000 RPM
- Preset feature of quick cooling mode - rotor chamber attains 4°C from ambient temperature
- CFC free environment friendly gas
- Large back-lit LCD display for ease in readability across multiple parameters
- User programmable (user can set upto 99 programs of 4 lines each)
- Single equipment for different work protocols with appropriate choice of rotors
- Imbalance detection and lid lock safety feature
- Drainage line for prevention of accumulated condensed water

Specifications	Description
Refrigeration temperature	Up to -20°C
Speed Setting	500 -15000 RPM
Time Setting	30 secs to 999 mins & infinite mode
Display	Large back lit LCDdisplay
Programmable Feature	User can set and save up to 99 user defined programs of 4 lines each
Lid Lock Safety	Yes
Imbalance Detection	Yes
Dimension (L x W x H)	452 X 314 X 278 mm
Weight	43 kgs (with rotor)

Description	Part Numbers
Refrigerated High Speed Centrifuge with 8 X 4 PCR Strip (0.2/0.5 ml) Rotor, Speed 15000 RPM & Temperature -20°C	VWRA521-3308
Refrigerated High Speed Centrifuge with 8 X 5 mL Fixed Angle Rotor, Speed 15000 RPM & Temperature -20°C	VWRA521-3309
Refrigerated High Speed Centrifuge with 24 X 1.5/2 mL Fixed Angle Rotor, Speed 15000 RPM & Temperature -20°C	VWRA521-3310
Refrigerated High Speed Centrifuge with 44 X 1.5/2 mL Fixed Angle Rotor, Speed 15000 RPM & Temperature -20°C	VWRA521-3311



Brushless DC motor



Microprocessor controlled



Imbalance detection



Accommodates widely used tubes

DOCTOR CENTRIFUGE WITH MICROPROCESSOR & BRUSHLESS MOTOR

- Brushless DC motor for maintenance free long life
- Microprocessor controlled centrifuge with variable speed and time setting, along with last run memory function
- Choice of 2 rotors : 6x 15ml (Autoclavable SS holder) / 8 x 15ml (Autoclavable SS holder)
- Precise RPM setting from 500 to 6500 RPM with least count of 100 RPM
- Imbalance detection with auto cut off
- Lid lock safety- Automatic lid release after run completion
- Timer setting 1 to 30 minutes & infinite mode
- Better airflow design for lesser heat generation, greater sample safety and lesser noise
- One switch change over from RPM to RCF
- Accommodates widely used tubes - supplied with adaptors for 2ml, 5ml, 7ml, 9ml (blood collection tubes).

Specifications	Description
Fixed Angle Rotor*	*6 x 15 on (Autoclavable)- 3684 g, 8 x 15 ml (Autoclavable)- 3873 g
Max RPM	6500 RPM
Motor Type	Brushless DC motor
Speed Setting	500 to 6500 per
Timer Setting	1 to 30 mins & infinite mode
Lid Lock Safety	Yes
Noise Level	<60dB
Imbalance Detection	Yes
Dimensions (L X W X H)	260 x 244 x 205 mm
Weight	4 Kgs
Adaptors (included in standard pack)	Chosen rotor with (adaptors for 2ml, 5ml, 7ml takes most standard blood collection tubes)

*Rotor supplied as standard accessory

Description	Part Numbers
Doctor Centrifuge, Speed 6500 RPM with 6 X 15ml Fix Angle Rotor	VWRA521-2800
8 X 10/15 mL Fixed Angle Autoclavable Rotor for Doctor Centrifuge	VWRA521-2801



Brushless DC motor



Microprocessor controlled



Imbalance detection



Digital display

MICROPLATE CENTRIFUGE WITH A SWING OUT ROTOR, MICROPROCESSOR & BRUSHLESS MOTOR

- Brushless DC motor for maintenance free long life
- Micro-plate swing out centrifuge with capacity of 2 microplates : 96 & 384wells
- Microprocessor controlled centrifuge with variable speed and time setting, along with last run memory function
- Precise RPM setting from 500 to 2200 RPM with an accuracy of ± 10 RPM
- Automatic imbalance detection for safe operation
- Lid lock safety - Automatic lid release after run completion
- Compact design with low loading height for ease of operation
- Programming feature : user can save and run upto 99 user-defined programs (protocols)
- One touch short spin operation & change over from RPM to RCF
- Compatible with all types of PCR plates

Specifications	Description
Capacity	2 micro plate (96 & 384wells)
Max RPM/RCF(Xg)	2200 RPM/560g
Motor Type	Brushless DC motor
Digital Display	Yes
Speed Setting	500-2200 RPM
Timer Setting	1-999 mins & infinitemode
Programmable Feature	User can set and save upto 99 user-defined programs (protocols)
Lid Lock Safety	Yes
Imbalance Detection	Yes
Dimension (L x W x H)	415 x 355 x 173 mm
Weight	7.7 Kgs

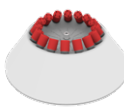
Description	Part Numbers
Microplate Swing out Centrifuge , Speed 2200 RPM with 2 X Microplate Swing out Rotor	VWRA521-2811



VWRA521-2806



VWRA521-2807



VWRA521-2808



Brushless DC motor



Microprocessor controlled



Digital Display



3 Rotor options



Brushless DC motor



Microprocessor controlled



Imbalance detection



Digital display

CLINICAL CENTRIFUGE WITH A MICROPROCESSOR & BRUSHLESS MOTOR

- Brushless DC motor for maintenance free long life
- Microprocessor controlled centrifuge with variable speed and time setting, along with last run memory function
- Single instrument for different work protocols with appropriate choice of rotors
- Precise RPM setting from 500 to 4000 RPM with least count of 10 RPM
- Imbalance detection with auto cut off
- Lid lock safety - Automatic lid release after run completion
- Compact design with low loading height for ease of operation
- Programming feature : user can save and run upto 99 user-defined programs (protocols)
- One touch short spin operation & change over from RPM to RCF
- Supplied with reduction adaptors for various sizes of blood collection tubes- 9 ml, 6 ml, 4 ml, 3 ml and 2 ml tubes

Specifications	Description
Rotors	6x10 ml (swing out), 8x15 ml (fixed angle), 16x10 ml (fixed angle)
Max RPM	4000 RPM
Motor Type	Brushless DC motor
Digital Display	Yes
Speed Setting	500-4000 RPM in steps of 10 RPM
Timer Setting	1-999 mins & infinitemode
Programmable Feature	User can set and save upto 99 user-defined programs (protocols)
Lid Lock Safety	Yes
Imbalance Detection	Yes
Dimension (L x W x H)	415 x 355 x 173 mm
Weight	7.7 Kgs

Description	Part Numbers
Clinical Centrifuge , Speed 4000 RPM with 6 X 10 mL Swing Rotor	VWRA521-2803
Clinical Centrifuge , Speed 4000 RPM with 8 X 15 mL Fixed Angle Rotor	VWRA521-2804
Clinical Centrifuge , Speed 4000 RPM with 16 X 10 mL Fixed Angle Rotor	VWRA521-2805

CLINICAL SWING OUT CENTRIFUGE WITH A MICROPROCESSOR & BRUSHLESS MOTOR

- Brushless DC motor for maintenance free long life
- Swing out clinical centrifuge with capacity of 2 x 50 ml
- Microprocessor controlled centrifuge with variable speed and time setting, along with last run memory function
- Precise RPM setting from 500 to 3200 RPM with an accuracy of ± 10 RPM
- Automatic imbalance detection for safeoperation
- Lid lock safety - Automatic lid release after run completion
- Compact design with low loading height for ease of operation
- Programming feature : User can save and run upto 99 user-defined programs (protocols)
- One touch short spin operation & change over from RPM to RCF

Specifications	Description
Capacity	2 x 50 ml (swing out) 3 x 50 ml (swing out)
Max RPM/RCF(Xg)	3200 RPM / 1470g
Motor Type	Brushless DC motor
Digital Display	Yes
Speed Setting	500-3200 RPM
Timer Setting	1-999 mins & infinitemode
Programmable Feature	User can set and save upto 99 user-defined programs (protocols)
Lid Lock Safety	Yes
Imbalance Detection	Yes
Dimensions (L x W x H)	415 x 355 x 173 mm
Weight	7.7 Kgs

* Rotor supplied as standard accessory

Description	Part Numbers
Clinical Swing out Centrifuge , Speed 3200 RPM with 3 X 50 mL Swing out Rotor	VWRA521-2809
Clinical Swing out Centrifuge , Speed 3200 RPM with 2 X 50 mL Swing out Rotor	VWRA521-2810



Brushless DC motor



Microprocessor controlled



Imbalance detection



Digital display

HEMATOCRIT CENTRIFUGE WITH A MICROPROCESSOR & BRUSHLESS MOTOR

- Brushless DC motor for maintenance free long life
- Microprocessor controlled centrifuge with variable speed and time setting, along with last run memory function
- Precise RPM setting from 500 to 12000 RPM with least count of 100 RPM
- Lid lock safety - Automatic lid release after run completion
- Alternate RPM & RCF toggle on display during operation
- Large 7 segment display for easy setting and readability across multiple parameters
- Timer setting upto 12 minutes
- PRESET feature : User can set favorite mode where Speed (RPM) and Time can be changed
- Small footprint for saving valuable bench space

Specifications	Description
Rotor	24 x up to 75 mm length capillary tubes
Max RPM / RCF	12000 RPM / 14119g
Motor Type	Brushless DC motor
Display	Large digital display
Speed Setting	500-12000 RPM in steps of 100 RPM
Timer Setting	Upto 12 mins
Preset Feature	User can set parameters beforehand to facilitate use
Rotor	HCT rotor with Screw on Lid (for better contamination protection)
Dimensions (L x W x H)	363 x 301 x 105 mm
Weight	5 Kgs

Description	Part Numbers
Hematocrit Centrifuge, Speed 14000 RPM, 24 X 45/75 mm Capillary Tube Rotor	VWRA521-2802



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Microprocessor controlled



Large digital display



Imbalance detection



Multiple rotor options

THE VERSATILE LAB GENIUS

- Max capacity 4 x 100 ml (swing out rotor) delivers upto 4500 RPM
- Brushless DC motor for maintenance free long life
- Microprocessor controlled centrifuge with variable speed and time setting, along with last run memory function
- Single equipment for different work protocols with appropriate choice of rotors (Swing-out & Fixed angle)
- Imbalance detection and lid lock safety feature
- Digital display for easy setting and readability across multiple parameters
- Adjustable ramp & brake speeds (upto 9 speed selection)
- User programmable - user can set upto 99 programs
- Wide range of autoclavable rotors

Specifications	Description
Rotor Capacity (Max)	4x 100 ml
Max RPM / RCF(xg)	4500 RPM / 3485 x g (g varies as per rotor)
Motor Type	Brushless DC motor
Display	Digital display
Speed Setting	500 to 4500 RPM
Time Setting	30 secs to 99 mins & infinitemode
Lid Lock Safety	Yes
Imbalance Detection	Yes
Adjustable Ramp & Brake	Selection from 1 to 9
Dimension (L x W x H)	475 x 585 x 325 mm
Weight	23 kgs (without rotor)
Rotors (not included)	Multiple rotor options (Swing-out and Fixed angle)

* Rotors have to be ordered separately

Description	Part Numbers
Multipurpose Laboratory Centrifuge, Speed 4500 RPM without Rotor	VWRA521-2822



VWRA521-2872



VWRA521-2860



VWRA521-2861



VWRA521-2862



VWRA521-2858



VWRA521-2857



VWRA521-2863



VWRA521-2868



VWRA521-2869



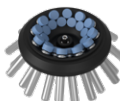
VWRA521-2866



VWRA521-2865



VWRA521-2864



VWRA521-2867



VWRA521-2871

ROTORS FOR VWRA521-2822

Rotor Type	Capacity	g-FORCE	Cat. No.
Swing Out Rotors	32 x 10ml	3164 x g	VWRA521-2872
	16 x 15ml	3485 x g	VWRA521-2860
	12 x 15ml	3485 x g	VWRA521-2861
	8 x 15ml	3440 x g	VWRA521-2862
	4 x 50ml	3485 x g	VWRA521-2858
	4 x100ml (with lid)	3164 x g	VWRA521-2857
	2 Micro plates	2355 x g	VWRA521-2863
Fixed Angle Rotors	16 x 15ml	3144 xg	VWRA521-2868
	12 x 15ml	3144 xg	VWRA521-2869
	6 x 50ml	2644 xg	VWRA521-2866
	4 x 50ml	2644 xg	VWRA521-2865
	4 x 100ml	2599 xg	VWRA521-2864
	24 x 15ml	2854 xg	VWRA521-2867
	30 x 15ml	2729 xg	VWRA521-2871



Microprocessor
controlled



Large back-lit
LCD display



Imbalance
detection



Multiple rotor
options

THE REFRIGERATED VERSATILE LAB CENTRIFUGE

- Brushless DC motor for maintenance free long life
- Microprocessor controlled enables digital variable speed and time setting with last run memory function
- Max capacity 4 x 100 ml delivers up to 4500 RPM
- Single equipment for different work protocols with appropriate choice of rotors (Swing-out and Fixed angle)
- Adjustable refrigeration temperature up to -10 °C
- Imbalance detection and lid lock safety feature
- Large back-lit LCD display for easy setting and readability across multiple parameters
- Adjustable ramp & brake speeds (up to 9 speed selection)
- User programmable (user can set up to 99 programs of 4 lines each)
- Separate refrigeration unit for easy maintenance
- Wide range of autoclavable rotors

Specifications	Description
Rotor Capacity (Max)	4 x 100 ml (fixed angle & swing out)
Max RPM / RCF(xg)	4500 RPM / 3485 x g (g varies as per rotor)
Motor Type	Brushless DC motor
Refrigeration Temperature	Up to -10 °C
Speed Setting	500 to 4500 RPM
Time Setting	30 secs to 999 mins & Infinitemode
Lid Lock Safety	Yes
Imbalance Detection	Yes
Dimension (L x W x H)	705 x 585 x 330 mm
Weight	<55 kgs
Adjustable Ramp & Brake	Yes (selection from 1 to 9)
Display	Large back-lit LCD display
Rotors (not included)	Multiple rotor options (swing out and fixed angle)*

*Rotors have to be ordered separately

Description	Part Numbers
Multipurpose Laboratory Refrigerated Centrifuge, Speed 4500 RPM without Rotor, Refrigeration -10°C	VWRA521-2823



ROTORS FOR VWRA521-2823

Rotor Type	Capacity	g-FORCE	Cat. No.
Swing Out Rotors	32 x 10ml	3164 x g	VWRA521-2872
	16 x 15ml	3485 x g	VWRA521-2860
	12 x 15ml	3485 x g	VWRA521-2861
	8 x 15ml	3440 x g	VWRA521-2862
	4 x 50ml	3485 x g	VWRA521-2858
	4 x 100ml (with lid)	3164 x g	VWRA521-2857
	2 Micro plates	2355 x g	VWRA521-2863
	16 x 15ml	3144 xg	VWRA521-2868
	12 x 15ml	3144 xg	VWRA521-2869
	6 x 50ml	2644 xg	VWRA521-2866
Fixed Angle Rotors	4 x 50ml	2644 xg	VWRA521-2865
	4 x 100ml	2599 xg	VWRA521-2864
	24 x 15ml	2854 xg	VWRA521-2867
	30 x 15ml	2729 xg	VWRA521-2871



Microprocessor
controlled



Large digital
display



Imbalance
detection



Multiple rotor
options

THE UNIVERSAL LAB GENIUS

- Max capacity 4 x 100 ml (swing out & fixed rotor)
- Maximum tube capacity 32 x 10 ml (Swing out) & 30 x 15 ml (fixed rotor)
- Variable speed from 500 to 15000 RPM
- Brushless DC motor for maintenance free long life
- Microprocessor controlled centrifuge with variable speed and time setting and also with last run memory function
- Single equipment for different work protocols with appropriate choice of rotors (swing out and fixed angle)
- Imbalance detection and lid lock safety feature
- Large digital display for easy setting & reading of multiple parameters (Speed & Time)
- Adjustable ramp & brake speeds (up to 9 speed selection)
- User programmable (user can set up to 99 programs with 4 line each)
- Auto rotor detection feature

Specifications	Description
Rotor Capacity (Max)	4x 100 ml (fixed & swingout)
	32 x 10 ml (Swing out) & 30 x 15 ml (fixed rotor)
Max RPM / RCF(xg)	15000 RPM / 22388 g (g varies as per rotor)
Motor Type	Brushless DC motor
Display	Digital display
Speed Setting	500 to 15000 RPM
Time Setting	30 secs to 999 mins & infinitemode
Lid Lock Safety	Yes
Imbalance Detection	Yes
Adjustable Ramp & Brake	Selection from 1 to 9
Dimension (L x W x H)	475 x 585 x 325 mm
Weight	23 Kgs
Rotors (not included)	Multiple rotor options (swing out and fixed angle)**

**Rotors to be ordered separately

Description	Part Numbers
Universal Centrifuge without Rotor, Speed 15000 RPM, 4 X 100 mL Max Capacity	VWRA521-3328



VWRA521-3342



VWRA521-3341



VWRA521-3340



VWRA521-3344



VWRA521-3343



VWRA521-3337



VWRA521-3336



VWRA521-3335



VWRA521-3338



VWRA521-3339



VWRA521-3334



VWRA521-3330



VWRA521-3333



VWRA521-3331



VWRA521-3332

ROTORS FOR VWRA521-3328

Rotor Type	Capacity	RPM	g-Force	Cat.No.
Swing Out Rotors	16 x 15 ml	4500	3305 xg	VWRA521-3342
	4 x 50 ml	4500	3305 xg	VWRA521-3341
	4 x 100 ml	4500	3305 xg	VWRA521-3340
	2 Micro plates	4500	2377 xg	VWRA521-3344
	32 x 10 ml	4500	3164 xg	VWRA521-3343
	16 x 15 ml	6000	4910 xg	VWRA521-3337
	6 x 50 ml	6000	4910 xg	VWRA521-3336
	4 x 50 ml	6000	4750x g	VWRA521-3335
	24 x 15 ml	6000	5070 xg	VWRA521-3338
	30 x 15 ml	6000	4870 xg	VWRA521-3339
Fixed Angle Rotors	4 x 100 ml	6000	4628 xg	VWRA521-3334
	24 x 2 ml	15000	21420 xg	VWRA521-3330
	44 x 2 ml	15000	22388 xg	VWRA521-3333
	4 x 8 x 0.2 ml PCR	15000	15397 xg	VWRA521-3331
	8 x 5 ml	15000	18461 xg	VWRA521-3332



Microprocessor
controlled



Large digital
display



Imbalance
detection



Multiple rotor
options

UNIVERSAL REFRIGERATED LAB GENIUS

- Brushless DC motor for maintenance free long life
- Microprocessor controlled centrifuge with variable speed and time setting and also with last run memory function
- Max capacity 4 x 100 ml (swing out & fixed rotor)
- Maximum tube capacity 32 x 10 ml (Swing out) & 30 x 15 ml (fixed rotor)
- Variable speed from 500 to 15000 RPM
- Single equipment for different work protocols with appropriate choice of rotors (swing out and fixed angle)
- Imbalance detection and lid lock safety feature
- Large back-lite LCD display for easy setting & reading of multiple parameters (Speed & Time)
- Adjustable ramp & brake speeds (up to 9 speed selection)
- User programmable (user can set up to 99 Programs with 4 line programs)
- Auto rotor detection feature
- Refrigeration temperature up to -10°C
- Drainage line to remove accumulated condensed water

Specifications	Description
Rotor Capacity (Max)	4x 100 ml (fixed & swingout) 32 x 10 ml (swing out) & 30 x 15 ml (fixed rotor)
Max RPM / RCF(xg)	15000 RPM / 22388 g (g varies as per rotor)
Motor Type	Brushless DC motor
Refrigeration Temperature	Up to -10°C
Display	Digital display
Speed Setting	500 to 15000 RPM
Time Setting	30 secs to 999 mins 59 sec & infinite mode
Lid lock safety & imbalance detection	Yes
Adjustable Ramp & Brake	Selection from 1 to 9
Dimension (L x W x H)	705 x 585 x 330 mm
Weight	57 kgs without rotor
Rotors (not included)	Multiple rotor options (swing out and fixed angle)*

**Rotors to be ordered separately

Description	Part Numbers
Universal Refrigerated Centrifuge without Rotor, Speed 15000 RPM, 4 X 100 mL Max Capacity, Temperature -20 °C	VWRA521-3329



ROTORS FOR VWRA521-3329

Rotor Type	Capacity	RPM	g-Force	Cat.No.
Swing Out Rotors	16 x 15 ml	4500	3305 xg	VWRA521-3342
	4 x 50 ml	4500	3305 xg	VWRA521-3341
	4 x 100 ml	4500	3305 xg	VWRA521-3340
	2 Micro plates	4500	2377 xg	VWRA521-3344
	32 x 10 ml	4500	3164 xg	VWRA521-3343
	16 x 15 ml	6000	4910 xg	VWRA521-3337
	6 x 50 ml	6000	4910 xg	VWRA521-3336
	4 x 50 ml	6000	4750x g	VWRA521-3335
	24 x 15 ml	6000	5070 xg	VWRA521-3338
	30 x 15 ml	6000	4870 xg	VWRA521-3339
Fixed Angle Rotors	4 x 100 ml	6000	4628 xg	VWRA521-3334
	24 x 2 ml	15000	21420 xg	VWRA521-3330
	44 x 2 ml	15000	22388 xg	VWRA521-3333
	4 x 8 x 0.2 ml PCR	15000	15397 xg	VWRA521-3331
	8 x 5 ml	15000	18461 xg	VWRA521-3332

