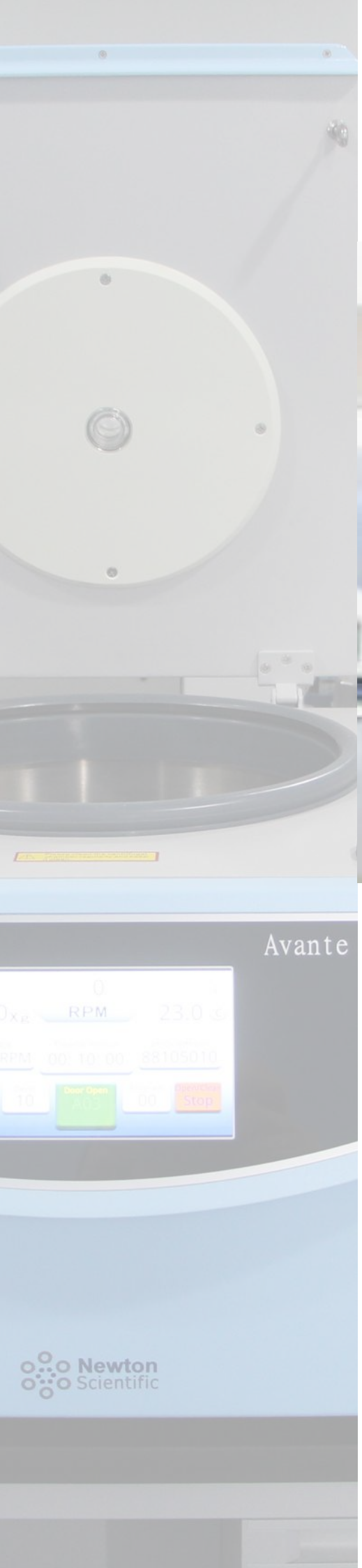
Newton Scientific

Avante 8 Series

MULTIFUNCTION CENTRIFUGE

CEN2503-BRO1800



Avante Series Multifunction Bench Top Centrifuge

Versatile, provide exceptional capacity in a compact design with a smart, simple interface and the flexibility to support numerous applications with precise control on acceleration and deceleration rates, combined with smooth runs at all speeds.

Adjustable Acceleration and Deceleration

With **31 rates** available, we ensure the best acceleration and deceleration profiles for all your samples to get the best separation.

Ergonomic Design

Touchscreen interface with bright, highly visible, and durable display simplifies run set-up.

DISPLAY

Large Multi-color Touchscreen Display provide clear indication of running condition including rotor, speed, RCF, time etc.

The glove friendly touchscreen display gives you ease of control and a modern feel. An advanced microprocessor controls allow for setting/displaying of the rotational speed in either RPM or RCF. It is splash-proof and protects the inner electronics from external elements.

PERFORMANCE

With 15 acceleration and 16 deceleration rates (including zero brake option), our centrifuges allow for highly customised profile, ensuring your samples get the best separation. Frequency variable motor drive system enable the unit to operate in a stable and quiet manner. Pre-cool function allows set temperature to be reached rapidly.

REPRODUCIBILITY

Precise centrifugation is achieved using the "At set rpm" function. The timer starts when the selected rotational speed is reached. As a result, different runs can be more easily reproduced.

FLEXIBILITY

Our high speed mutifunction bench top centrifuges simplify high-throughput sample processing with up to **31,127 x g,** simplify high-throughput sample processing with maximized capacity up to **6 x 50 ml**, and an extensive rotor portfolio. Supporting labware from PCR tubes, conical centrifuge tubes, to microplates. Overcome challenges of a shared laboratory setting with the productivity, safety, and reliability of a Newton Scientific Centrifuge.

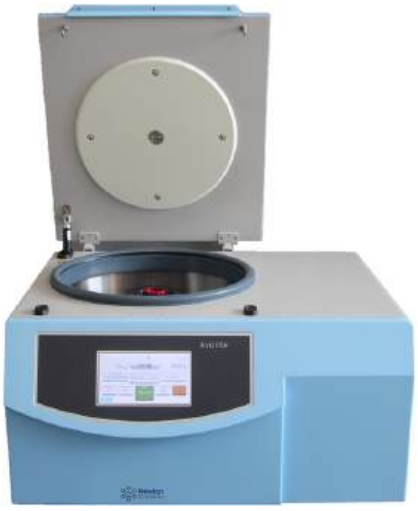
Precision metal components for both shaft and rotor ensure reliable performance and long life

CONVENIENT

Newton Scientific centrifuge enable the users to edit and store up to **99** programs with combination of speed, centrifugal force, temperature*, running time, acceleration/ deceleration rate which is sufficient for all users in a lab.

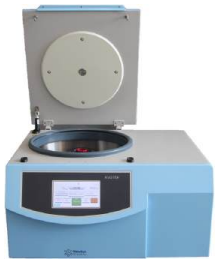
SAFETY

Enhanced safety provided by electronic door lock and protection against imbalance, over speed and over heat. These three layers of protection ensure safety of the machine and user.



**Refrigerated models only.*

Ordering Information and Specifications



Model	Avante 8	Avante 8R
Cat. No.	88001800	88001801
Max. Speed	18,000 rpm	
RPM Accuracy	±10 rpm	
Max. RCF	31,127 x g	
Max. Capcity	4 x 100 ml	
Set Time Range	1 s to 99 h 59 min 59 s	
Temperature Range	NA	-20 °C to 40 °C
Temperature Accuracy	NA	±1.0 °C
Program Storage	Up to 99	
Run Record Storage	Up to 99	
Acceleration Profiles	15 adjustable rates	
Deceleration Profiles	15 adjustable rates + zero brake	
Dimension	500 x 400 x 340 mm	610 x 560 x 360 mm
Weight	44 Kg	75 Kg
Power Supply	AC 200-240 V, 50 Hz	
Power	550 W	1000 W
Sound Level	≤ 60 dBA	≤ 55 dBA

88105007
6x50 ml conical/round

88105010
with carrier for
4 x 50 ml conical

88105010
with carrier for
16 x 15 ml conical

88105011
4 x PCR Plate or
2 x 2 midi-deepwell Plate

88105002
24 x 1.5 / 2.0 ml

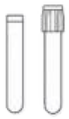
88105056
48 x 1.5 / 2.0 ml

Please see next page for complete list of rotors

Angle / Drum Rotors & Accesorries

		Avante 8		Avante 8R	
Cat. No.	Descriptions	Max. Speed (RPM)	Max. RCF (x g)	Max. Speed (RPM)	Max. RCF (x g)
88201001	Angle Rotor, 24 × 1.5/2.0 ml	18,000	31,127	18,000	31,127
88201002	Angle Rotor, 32 × 1.5/2.0 ml	14,000	19,987	14,000	19,987
88201003	Angle Rotor, 48 × 1.5/2.0 ml	13,000	18,072	13,000	18,072
86005030	Adaptor, 0.2 ml PCR tube (24 pcs)				
86005031	Adaptor, 0.5 ml PCR tube (24 pcs)				
88201004	Angle Rotor, 8 x PCR Strip	14,000	15,030	14,000	15,030
88201005	Angle Rotor, 12 × 5 ml	16,000	17,353	16,000	17,353
88201006	Angle Rotor, 12 x 10 ml	13,000	15,234	14,000	17,668
88213003	Adapters for 5 ml (12 pcs)				
88213004	Adapters for 1.5/2 ml (12 pcs)				
88201007	Angle Rotor, 12 x 15ml Con	11,000	13,736	12,000	16,347
88213005	Adapters for 10 ml (12 pcs)				
88213006	Adapters for 5 ml (12 pcs)				
88213007	Adapters for 1.5/2 ml (12 pcs)				
88201024	Angle Rotor, 24 x 15ml	5,000	3,913	5,000	3,913
88201008	Angle Rotor, 6 x 50 ml Con/Round (includes 15 ml Con adapters, 6 pcs)	12,000	16,241	13,000	19,060
88213008	Adapters for 15 ml Con (1pc)				
88213009	Adapters for 10 ml (1 pc)				
88213010	Adapters for 5 ml (1 pc)				
88213011	Adapters for 1.5/2 ml (1 pc)				
88201010	Angle Rotor, 4 x 100ml	11,000	13,702	11,000	13,702
88213012	Adapters for 50 ml (1 pc)				
88213013	Adapters for 15 ml (1 pc)				
88213014	Adapters for 2 x 10 ml (1 pc)				
88213015	Adapters for 3 x 5 ml (1 pc)				
88213016	Adapters for 4 x 1.5/2 ml (1 pc)				
88201013	Drum Rotor, 24 x 1.5/2.0ml	13,000	16,816	13,000	16,816

Swing Out Rotors

Cat. No.	Descriptions	Max. Speed (RPM)	Max. RCF (x g)
88208001	**Cell Culture Package 1 includes:** 1) Swing Out Rotor 2) Carriers for 4 x 50 ml Conical 3) Carriers for 16 x 15 ml Conical/Round Bottom Tube	4,500	3,010
88208002	**Cell Culture Package 2 includes:** 1) Swing Out Rotor with carriers for 8 x 50 ml Conical/Round Bottom Tube	4,000	2,680
88208003	**Blood Tube Package includes:** 1) Swing Out Rotor 2) Carriers for 16 x 10-15 ml Blood Tube (Ø 16 x 100-125 mm)  3) Adaptors for 16 x 7 ml Blood Tube (Ø 13 x 100 mm)  4) Adaptors for 16 x 2-5 ml Blood Tube (Ø 13 x 75 mm) 	4,500	3,010
88208004	**Cell Culture + Blood Tube Package includes:** 1) Swing Out Rotor 2) Carriers for 4 x 50 ml Conical Tube 3) Carriers for 16 x 15 ml Conical Tube or 16 x 10-15 ml Blood Tube (Ø 16 x 100-125 mm) 4) Adaptors for 16 x 2-5 ml Blood Tube (Ø 13 x 75 mm) 5) Adaptors for 16 x 7 ml Blood Tube (Ø 13 x 100 mm)	4,500	3,010
88201014	Swing Out Rotor with carriers for 4 x PCR Plate	4,200	1,637

We provide custom solutions for specialise containers and vessels. Contact us with your requirement!

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CERTIFIED ISO 9001:2015 COMPANY