



Avante 10 Series

1 L MULTIFUNCTION CENTRIFUGE

Avante 10 Series Multifunction Bench Top Centrifuge

Versatile, high-throughput sample processing from 36 x 1.5/2ml tubes to 4 x 250ml centrifuge tubes per run. Save time and ensure sample integrity with fast acceleration and deceleration rates, combined with smooth runs at all speeds.

Adjustable Acceleration and Deceleration

15 rates available for to ensure the unit provide the best acceleration and deceleration profile to ensure your samples 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 multifunction bench top centrifuges simplify high-throughput sample processing with up to **32,254 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.



Ordering Information and Specifications



Model	Avante 10	Avante 10R
Cat. No.	88001803	88001804
Cat. No. (with Motorised Lid Lock)	88001805	88001806
Max. Speed	20,500 rpm	
RPM Accuracy	±10 rpm	
Max. RCF	32,254 x g	
Max. Capacity	4 x 250 ml	
Set Time Range	1s to 99h 59min 59s	
Temperature Range	NA	-20°C to 40°C
Temperature Accuracy	NA	±1.0°C
Stored Programs	99	
Run Records	99	
Dimensions	520 x 430 x 390 mm	700 x 620 x 400 mm
Weight	47 Kg	102 Kg
Power Supply	AC 200-240 V, 50 Hz	
Power	750 W	1100 W
Sound Level	≤ 60dBA	≤ 55dBA

Rotor Selections

Avante 10 Series centrifuge extensive rotor portfolio and accessories will fit most common labware from microtubes, conical centrifuge tubes, to microplates. We also provide custom solutions for specialise containers and vessels. Contact us with your requirement!



88105056
48 x 1.5/2.0ml



88105056
16 x 1.5/2.0ml



88105006
12 x 15ml



88105007
6 x 50ml



88105014
6 x 100ml



88105023
4 x 250ml



88105011
Swing-out Rotor
with carriers for 4
microplates

**Please see next page for complete list of rotors*

Angle / Drum Rotors & Accesories

		Avante 10		Avante 10R	
Cat. No.	Descriptions	Max. Speed (RPM)	Max. RCF (x g)	Max. Speed (RPM)	Max. RCF (x g)
88201000	Angle Rotor, 16 × 1.5/2.0ml	20,500	32,254	20,500	32,254
88201001	Angle Rotor, 24 × 1.5/2.0ml	17,500	29,421	18,000	31,127
88201002	Angle Rotor, 32 × 1.5/2.0ml	14,000	19,987	16,000	26,105
88201003	Angle Rotor, 48 × 1.5/2.0ml	14,000	20,960	16,000	27,376
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 × 5ml	16,000	17,353	16,000	17,353
88201006	Angle Rotor, 12 x 10ml	14,000	17,668	16,000	23,077
88213003	Adapters for 5 ml (12 pcs)				
88213004	Adapters for 1.5/2 ml (12 pcs)				
88201007	Angle Rotor, 12 x 15ml Con	12,000	16,347	14,000	22,250
88213005	Adapters for 10 ml (12 pcs)				
88213006	Adapters for 5 ml (12 pcs)				
88213007	Adapters for 1.5/2 ml (12 pcs)				
88201015	Angle Rotor, 40 x 15ml Con	5,000	4,192	5,500	5,072
88201008	Angle Rotor, 6 x 50ml Con/Round (includes 15ml Con adapters, 6 pcs)	12,000	16,241	13,000	19,060
88201009	Angle Rotor, 8 x 50ml Con/Round	10,000	9,825	10,000	9,825
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	12,000	16,307
88201011	Angle Rotor, 6 x 100ml	11,000	14,779	12,000	17,588
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)				
88201012	Drum Rotor, 60 x 1.5/2.0ml	15,000	22,252	15,000	22,252

Swing Out Rotor & Accessories

Cat. No.	Product Descriptions	Max. Speed (RPM)	Max. RCF (x g)
Cell Culture Package 1			
88208005	1) Swing Out Rotor, 4 x 250 ml 2) Rectangular Buckets, 250ml (4pcs) 3) Adapters for 16 x 50 ml Con. Tubes 4) Adapters for 40 x 15 ml Con. Tubes	4,200	3,353
Cell Culture Package 2			
88208006	1) Swing Out Rotor, 4 x 250 ml 2) Round Buckets, 250ml (4pcs) 3) Adapters for 8 x 50 ml Con. Tubes 4) Adapters for 16 x 15 ml Con. Tubes	4,200	3,353
Cell Culture Package 3			
88208007	1) Swing Out Rotor, 4 x 250 ml 2) Round Buckets, 250ml (4pcs) 3) Sealing Lids (4 pcs) 4) Adapters for 8 x 50 ml Con. Tubes 5) Adapters for 16 x 15 ml Con. Tubes	4,200	3,353
Cell Culture Package 4			
88208001	1) Swing Out Rotor, 4 x 100 ml 2) Carriers for 4 x 50 ml Conical 3) Carriers for 16 x 15 ml Conical/Round	5,000	3,716
Microplate Package includes:			
88208014	1) Swing Out Rotor 2) Carrier for 4 microplates or 2 midi-DWP	4,200	1,637
Blood Tube Package 1			
88208009	1) Swing Out Rotor, 4 x 250 ml 2) Rectangular Buckets 3) Adapters for 72 x 2-7 ml Blood Tubes 4) Adapters for 48 x 10 ml Blood Tubes	4,200	3,353
Blood Tube Package 2			
88208010	1) Swing Out Rotor, 4 x 250 ml 2) Round Buckets, 250ml (4pcs) 3) Adapters for 48 x 2-7 ml Blood Tubes 4) Adapters for 32 x 10ml Blood Tubes	4,200	3,353
Blood Tube Package 3			
88208011	1) Swing Out Rotor, 4 x 250 ml 2) Round Buckets, 250ml (4pcs) 3) Sealing Lids (4 pcs) 4) Adapters for 32 x 10ml Blood Tubes 5) Adapters for 36 x 2-7 ml Blood Tubes	4,200	3,353
Blood Tube Package 4			
88208012	1) Swing Out Rotor, 4 x 100 ml 2) Carriers for 4 x 10/15 ml Blood Tube 3) Adapters for 5/7 ml Blood Tube	5,000	3,716
88201016	Swing-out Rotor with 4 x 250ml Round Bucket	4,200	3,353
88213017	Adapter, 1 x 100ml (set of 4)		
88213018	Adapter, 2 x 50ml Con. (set of 4)		
88213019	Adapter, 5 x 15ml Con. (set of 4)		
88213020	Adapter, 9 x 10ml Round (set of 4)		
88213021	Adapter, 9 x 5ml Blood Collection Tube (set of 4)		
88213022	Adapter, 8 x 5ml Microtube (set of 4)		
88213023	Adapter, 8 x 2ml Microtube (set of 4)		

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



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