



Avante 30 Series

3L MULTIFUNCTION CENTRIFUGE

A male scientist in a white lab coat is focused on his work in a laboratory setting. He is looking down at a piece of equipment. Two circular callouts are overlaid on the image: a teal one on the left and a yellow one on the right, both containing text about the equipment's features. The background is a bright, slightly blurred laboratory with large windows.

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.

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and Deceleration**

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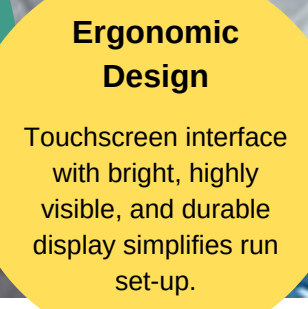
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A large yellow circle is centered on the page, containing text about ergonomic design. The background of the slide is a blurred image of a person in a white lab coat.

**Ergonomic
Design**

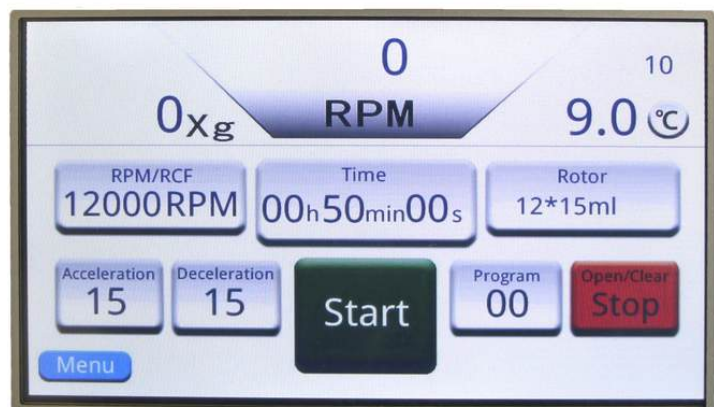
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**Ergonomic
Design**

Touchscreen interface
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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 **31,988 x g**, **simplify high-throughput sample processing with maximized capacity up to 4 x 750ml bottles**, 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

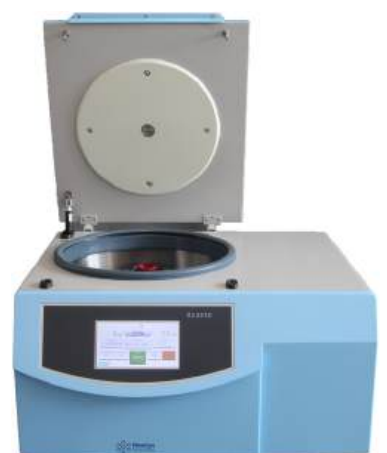


CONVENIENT

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 30	Avante 30R
Cat. No.	88001809	88001810
Max. Speed	21,000 rpm	
RPM accuracy	±10 rpm	
Max. RCF	31,988 x g	
Max. Capacity	4 × 750 ml	
Set Time	1s to 99 h 59 m 59 s	
Temp. Range	NA	-20 °C to 40 °C
Temp. Accuracy	NA	± 1.0°C
Stored Programs	99	
Run Records	99	
Dimensions	560 x 460 x 390 mm	670 x 700 x 450 mm
Weight (Kg)	57.5	105
Power Supply	AC 200-240V, 50Hz	
Power (W)	1200	1800
Sound Level	≤ 65dBA	≤ 62dBA

Rotor Selections

Avante 30 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!

88201003
48 x 1.5/2.0ml



88201008
6 x 50ml



88103096
Swing-out Rotor
with carrier for
microplate and
deep well block



88101023
Swing-out
Rotor with
buckets,
4 x 750ml



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



Angle Rotors & Accessories

Cat. No.	Capacity	Avante 30		Avante 30R	
		Max. Speed (RPM)	RCF (x g)	Max. Speed (RPM)	RCF (x g)
88200999	Angle Rotor, 12 x 1.5/2.0ml	21,000	31,988	21,000	31,988
88201001	Angle Rotor, 24 x 1.5/2.0ml	16,000	24,594	16,000	24,594
88201003	Angle Rotor, 48 x 1.5/2.0ml	15,000	24,061	15,000	24,061
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 x 5ml	18,000	21,962	18,000	21,962
88201006	Angle Rotor, 12 x 10ml	15,000	20,282	15,000	20,282
88213003	Adapters for 5 ml (12 pcs)				
88213004	Adapters for 1.5/2 ml (12 pcs)				
88201007	Angle Rotor, 12 x 15ml Con	13,000	19,185	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	5,500	5,072	5,500	5,072
88201008	Angle Rotor, 6 x 50ml Conical/Round (Includes 15ml Conical Adapters, 6 pcs)	13,000	19,060	13,000	19,060
88201009	Angle Rotor, 8 x 50ml Con/Round	11,000	11,888	11,000	11,888
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	12,000	16,307	12,000	16,307
88201011	Angle Rotor, 6 x 100ml	12,000	17,588	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)				



4 x 500 ml Rotors & Accessories

Cat. No.	Descriptions	Max. Speed (RPM)	RCF (x g)
88201017	Swing Out Rotor, 4 x 500ml + Round Buckets	4,200	3,510
88213017	Adapter, 250 ml Flat Bottom (set of 4)		
88213018	Adapter, 2 x 100 ml Round Bottom (set of 4)		
88213019	Adapter, 4 x 50 ml Conical Bottom (set of 4)		
88213020	Adapter, 4 x 50 ml Flat Bottom (set of 4)		
88213021	Adapter, 4 x 50 ml Round Bottom (set of 4)		
88213022	Adapter, 9 x 15 ml Conical Bottom (set of 4)		
88213023	Adapter, 9 x 10 ml (set of 4)		
88213024	Adapter, 14 x 10 ml Blood Tube (set of 4)		
88213025	Adapter, 19 x 2-7 ml Blood Tube (set of 4)		
88213026	Adapter, 17 x 1.5/2 ml (set of 4)		
88201018	Swing Out Rotor, 4 x 500ml + Round Buckets + Lids	4,200	3,510
88213017	Adapter, 250 ml Flat Bottom (set of 4)		
88213027	Adapter, 1 x 100 ml Round Bottom (set of 4)		
88213028	Adapter, 3 x 50 ml Conical Bottom (set of 4)		
88213029	Adapter, 3 x 50 ml Flat Bottom (set of 4)		
88213030	Adapter, 3 x 50 ml Round Bottom (set of 4)		
88213022	Adapter, 9 x 15 ml Conical Bottom (set of 4)		
88213023	Adapter, 9 x 10 ml (set of 4)		
88213031	Adapter, 13 x 10 ml Blood Tube (set of 4)		
88213032	Adapter, 17 x 2-7 ml Blood Tube (set of 4)		
88213026	Adapter, 17 x 1.5/2 ml (set of 4)		
88201019	Swing Out Rotor, 4 x 500ml + Rectangular Buckets	4,200	3,510
88213033	Adapter, 500 ml Flat Bottom (set of 4)		
88213034	Adapter, 250 ml Flat Bottom (set of 4)		
88213035	Adapter, 2 x 100 ml Round Bottom (set of 4)		
88213036	Adapter, 4 x 50 ml Conical Bottom (set of 4)		
88213037	Adapter, 4 x 50 ml Flat Bottom (set of 4)		
88213038	Adapter, 4 x 50 ml Round Bottom (set of 4)		
88213039	Adapter, 9 x 15 ml Conical Bottom (set of 4)		
88213040	Adapter, 9 x 15 ml Round Bottom (set of 4)		
88213041	Adapter, 16 x 10 ml Blood Tube (set of 4)		
88213042	Adapter, 29 x 2-7 ml Blood Tube (set of 4)		
88213043	Adapter, 17 x 1.5/2 ml (set of 4)		



4 x 750 ml Rotors & Accessories

Cat. No.	Descriptions	Max. Speed (RPM)	RCF (x g)
88201025	Swing Out Rotor, 4 x 750ml + Round Buckets	4,500	4,335
88213044	Adapter, 500 ml Corning Conical Tube (set of 4)		
88213045	Adapter, 500 ml Flat Bottom (set of 4)		
88213046	Adapter, 250 ml Corning Conical Tube (set of 4)		
88213047	Adapter, 250 ml Flat Bottom (set of 4)		
88213048	Adapter, 4 x 100 ml Round Bottom (set of 4)		
88213049	Adapter, 7 x 50 ml Conical Bottom (set of 4)		
88213050	Adapter, 7 x 50 ml Flat Bottom (set of 4)		
88213051	Adapter, 7 x 50 ml Round Bottom (set of 4)		
88213052	Adapter, 14 x 15 ml Conical/Round Bottom (set of 4)		
88213053	Adapter, 14 x 10 ml Conical/Round Bottom (set of 4)		
88213052	Adapter, 14 x 15 ml Conical Bottom (set of 4)		
88213053	Adapter, 14 x 15 ml Round Bottom (set of 4)		
88213054	Adapter, 21 x 10 ml Blood Tube (set of 4)		
88213055	Adapter, 30 x 2-7 ml Blood Tube (set of 4)		
88213056	Adapter, 30 x 1.5/2 ml (set of 4)		
88213057	Adapter for 250/300 ml Blood Bag (set of 4)		
88213058	Carrier for MTP/DWP (set of 4 pcs)		
88201026	Swing Out Rotor, 4 x 750ml + Round Buckets + Lids	4,500	4,335
88213044	Adapter, 500 ml Corning Conical Tube (set of 4)		
88213045	Adapter, 500 ml Flat Bottom (set of 4)		
88213046	Adapter, 250 ml Corning Conical Tube (set of 4)		
88213047	Adapter, 250 ml Flat Bottom (set of 4)		
88213048	Adapter, 4 x 100 ml Round Bottom (set of 4)		
88213049	Adapter, 7 x 50 ml Conical Bottom (set of 4)		
88213050	Adapter, 7 x 50 ml Flat Bottom (set of 4)		
88213051	Adapter, 7 x 50 ml Round Bottom (set of 4)		
88213052	Adapter, 14 x 15 ml Conical/Round Bottom (set of 4)		
88213053	Adapter, 14 x 10 ml Conical/Round Bottom (set of 4)		
88213054	Adapter, 21 x 10 ml Blood Tube (set of 4)		
88213055	Adapter, 30 x 2-7 ml Blood Tube (set of 4)		
88213056	Adapter, 30 x 1.5/2 ml (set of 4)		
88213057	Adapter for 450/500 ml Blood Bag (set of 4)		
88213058	Carrier for MTP/DWP (set of 4 pcs)		
88201027	Bucket Sealing Lids (set of 4 pcs)		
88201022	Swing Out Rotor, 4 x 750ml + Rectangular Buckets	4,200	3,777
88213059	Adapter, 750 ml Flat Bottom (set of 4)		
88213060	Adapter, 500 ml Corning Conical Tube (set of 4)		
88213061	Adapter, 500 ml Flat Bottom (set of 4)		
88213062	Adapter, 250 ml Corning Conical Tube (set of 4)		
88213063	Adapter, 250 ml Flat Bottom (set of 4)		
88213064	Adapter, 4 x 100 ml Round Bottom (set of 4)		
88213065	Adapter, 7 x 50 ml Conical Bottom (set of 4)		
88213066	Adapter, 7 x 50 ml Flat Bottom (set of 4)		
88213067	Adapter, 7 x 50 ml Round Bottom (set of 4)		
88213068	Adapter, 17 x 15 ml Conical/Round Bottom (set of 4)		
88213069	Adapter, 17 x 10 ml Conical/Round Bottom (set of 4)		
88213070	Adapter, 28 x 10 ml Blood Tube (set of 4)		
88213071	Adapter, 34 x 2-7 ml Blood Tube (set of 4)		
88213072	Adapter, 30 x 1.5/2 ml (set of 4)		
88213073	Adapter for 450/500 ml Blood Bag (set of 4)		
88213058	Carrier for MTP/DWP (set of 4 pcs)		



Swing Out Rotor Packages, Cell Culture

Cat. No.	Descriptions	Max. Speed (RPM)	RCF (x g)
88213075	Cell Culture Package 1: 1) Swing Out Rotor with rectangular buckets, 4 x 750ml 2) Adapter, 7 x 50 ml conical tube (set of 4). 28 tubes per run 3) Adapter, 17 x 15 ml conical tube (set of 4). 68 tubes per run	4,200	3,777
88213076	Cell Culture Package 2: 1) AUTO LOCK Swing out rotor with rectangular buckets, 4 x 750ml 2) Adapter, 7 x 50 ml conical tube (set of 4). 28 tubes per run 3) Adapter, 17 x 15 ml conical tube (set of 4). 68 tubes per run	4,200	3,777
88213092	Cell Culture Package 3: 1) Swing Out Rotor with round buckets, 4 x 750ml 2) Adapter, 7 x 50 ml conical tube (set of 4). 28 tubes per run 3) Adapter, 14 x 15 ml conical tube (set of 4). 56 tubes per run	4,500	4,335
88213093	Cell Culture Package 4: 1) Swing Out Rotor with round buckets, 4 x 750ml 2) Adapter, 7 x 50 ml conical tube (set of 4). 28 tubes per run 3) Adapter, 14 x 15 ml conical tube (set of 4). 56 tubes per run 4) Sealing lids, set of 4 pcs	4,500	4,335
88213094	Cell Culture Package 5: 1) AUTO LOCK Swing Out Rotor with round buckets, 4 x 750ml 2) Adapter, 7 x 50 ml conical tube (set of 4). 28 tubes per run 3) Adapter, 14 x 15 ml conical tube (set of 4). 56 tubes per run	4,500	4,335
88213095	Cell Culture Package 6: 1) AUTO LOCK Swing Out Rotor with round buckets, 4 x 750ml 2) Adapter, 7 x 50 ml conical tube (set of 4). 28 tubes per run 3) Adapter, 14 x 15 ml conical tube (set of 4). 56 tubes per run 4) Sealing lids, set of 4 pcs	4,500	4,335
88213081	Cell Culture Package 7: 1) Swing Out Rotor with buckets, 4 x 500ml 2) Adapter, 4 x 50 ml conical tube (set of 4). 16 tubes per run 3) Adapter, 9 x 15 ml conical tube (set of 4). 36 tubes per run	4,200	3,510
88213082	Cell Culture Package 8: 1) Swing out rotor with buckets, 4 x 500ml 2) Adapter, 3 x 50 ml conical tube (set of 4). 12 tubes per run 3) Adapter, 9 x 15 ml conical tube (set of 4). 36 tubes per run 4) Sealing lids, set of 4 pcs	4,200	3,510
88213096	Cell Culture Package 9: 1) Swing Out Rotor 4 x 750ml 2) Carrier for MTP/DWP	4,500	3,509
88213097	Cell Culture Package 10: 1) Swing Out Rotor 4 x 750ml 2) Carrier for MTP/DWP	6,500	5,498

Swing Out Rotor Packages, Blood Processing

Cat. No.	Descriptions	Max. Speed (RPM)	RCF (x g)
88213084	Blood Tube Package 1: 1) Swing Out Rotor with rectangular buckets, 4 x 750ml 2) Adapter, 34 x 2-7 ml blood tube (set of 4). 136 tubes per run 3) Adapter, 28 x 10 ml blood tube (set of 4). 112 tubes per run	4,200	3,777
88213085	Blood Tube Package 2: 1) AUTO LOCK Swing out rotor with rectangular buckets, 4 x 750ml 2) Adapter, 34 x 2-7 ml blood tube (set of 4). 136 tubes per run 3) Adapter, 28 x 10 ml blood tube (set of 4). 112 tubes per run	4,200	3,777
88213098	Blood Tube Package 3: 1) Swing Out Rotor with round buckets, 4 x 750ml 2) Adapter, 30 x 2-7 ml blood tube, 120 tubes per run (set of 4) 3) Adapter, 21 x 10 ml blood tube, 84 tubes per run (set of 4)	4,500	4,335
88213099	Blood Tube Package 4: 1) Swing Out Rotor with round buckets, 4 x 750ml 2) Adapter, 30 x 2-7 ml blood tube, 120 tubes per run (set of 4) 3) Adapter, 21 x 10 ml blood tube, 84 tubes per run (set of 4) 4) Sealing lids, set of 4 pcs	4,500	4,335
88213100	Blood Tube Package 5: 1) AUTO LOCK Swing Out Rotor with round buckets, 4 x 750ml 2) Adapter, 30 x 2-7 ml blood tube, 120 tubes per run (set of 4) 3) Adapter, 21 x 10 ml blood tube, 84 tubes per run (set of 4)	4,500	4,335
88213101	Blood Tube Package 6: 1) AUTO LOCK Swing Out Rotor with round buckets, 4 x 750ml 2) Adapter, 30 x 2-7 ml blood tube, 120 tubes per run (set of 4) 3) Adapter, 21 x 10 ml blood tube, 84 tubes per run (set of 4) 4) Sealing lids, set of 4 pcs	4,500	4,335
88213090	Blood Package 7: 1) Swing out rotor with buckets, 4 x 500ml 2) Adapter, 19 x 2-7 ml blood tube, 76 tubes per run (set of 4) 3) Adapter, 14 x 10 ml blood tube, 56 tubes per run (set of 4)	4,200	3,510
88213091	Blood Package 8: 1) AUTO LOCK Swing out rotor with buckets, 4 x 500ml 2) Adapter, 17 x 2-7 ml blood tube, 68 tubes per run (set of 4) 3) Adapter, 13 x 10 ml blood tube, 52 tubes per run (set of 4) 4) Sealing lids, set of 4 pcs	4,200	3,510

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



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