

FIXED-ANGLE ROTORS								
	Rotor Type	Part No.	Max Speed (rpm)	Max RCF, x g	k Factor	No. Tubes x Volume (mL)	Max Tube Size (mm)	Rotor Capacity
BIOC	JA-30.50 Ti	363421 Single-Locking Lid 363420 Dual-Locking Lid	26,000	81,800	372	8x50	29x104	400 mL
	JA-25.50	363055 Single-Locking Lid* 363058 Dual-Locking Lid	25,000	75,600	418	8x50	29x104	400 mL
BIOC	JA-25.15	363054 Single-Locking Lid* 363050 Dual-Locking Lid	25,000	74,200	265	24x15	18x100	360 mL
BIOC	JA-20.1	342095	20,000	51,500	371	32x15	18x99	480 mL
	JA-21	334845	21,000	50,400	470	18x10	16x80	180 mL
BIOC	JA-20	334831	20,000	48,400	769	8x50	29x104	400 mL
BIOC	JA-18	369679	18,000	47,900	566	10x100	38x102	1 L
	JA-18.1	347824	18,000	42,100	156*	24x1.8	11x39	43.2 mL
BIOC	JA-17	369691	17,000	39,800	690	14x50	29x104	700 mL
BIOC	JLA-16.250	363934 Single-Locking Lid* 363930 Dual-Locking Lid	16,000	39,300	1,090	6x250	62x120	1.5 L
BIOC	JA-14	339247	14,000	30,100	1,764	6x250	62x120	1.5 L
BIOC	JA-12	360993 Single-Locking Lid* 360992 Dual-Locking Lid	12,000	23,200	1,244	12x50 Conical	30x115	600 mL
BIOC	JLA-10.500	369681	10,000	18,600	2,840	6x500	69x160	3 L
	JA-10	369687	10,000	17,700	3,610	6x500	69x160	3 L
	JLA-9.1000	366754	9,000	16,800	2,540	4x1,000	95x191	4 L
BIOC	JLA-8.1000	363688	8,000	15,970	2,482	6x1,000	95x191	6 L

SWINGING BUCKET ROTORS								
	Rotor Type	Part No.	Max Speed (rpm)	Max RCF, x g	k Factor	No. Tubes x Volume (mL)	Max Tube Size (mm)	Rotor Capacity
	JS-13.1	346963	13,000	26,500	1,841	6x50	29x104	300 mL
	JS-24.15	362396	10,000	19,200	2,164	6x15	16x96	90 mL
	JS-24.38	360743	10,000	18,000	1,925	6x38.5	25x89	231 mL
	JS-7.5	336380	7,500	10,400	5,287	4x250	62x141	1 L
BIOC	JS-5.3 AllSpin	368690	5,300	6,870/6,130	7,728/ 1,536	4x500 24 Microplates	Various	2 L
BIOC	JS-4.3*	362734	4,300	4,220	11,833	4x750	96x130	3 L
BIOC	JS-4.0**	339086	4,000	4,050	15,296	4x1,000	97x167	4 L

ELUTRIATION, CONTINUOUS FLOW AND ZONAL ROTORS						
	Rotor Type	Part No.	Max Speed (rpm)	Max RCF, x g	k Factor	Elutriation Boundary
	JCF-Z Large Core	357521	20,000	39,900	293	—
	JCF-Z Standard Core	335140	20,000	39,900	100	—
	JCF-Z Zonal Core	354006	20,000	39,900	710	—
	JCF-Z Reorienting Gradient Core	354005	20,000	39,000	779	—
	JCS-Z Small Core	357544	20,000	36,300	281	—
	JE-5.0	356900	5,000	4,700	—	86 mm (2,410 g)

Maximum rotor speeds may differ between instrument models.

Dual-Locking Lids provide sample containment by enabling the rotor to remain sealed while being transported to a biocontainment hood.

*Single-locking lid versions of these rotors are not BioCertified.

BIOC **BioCertified** is a term used to describe our products which have been tested and validated to demonstrate containment of microbiological aerosols by an independent, third-party facility (Health Protection Agency, Porton Down, UK or USAMRIID, Ft. Detrick, MD, USA). Improper use or maintenance may affect seal integrity and, thus, containment.

*Rotor is BioCertified when used in conjunction with part number 359232 (BioSafe Aerosolve Canisters).

**Rotor is BioCertified when used in conjunction with part number 343686 (BioSafe AeroSeal Covers).



Avanti J-26S

Transform your lab’s performance.

Beckman Coulter helps create the world’s most productive and efficient laboratories by providing the finest centrifuges available. Finest, and most accommodating. Because we believe life-altering research should not be confined by the size of a lab, or the size of its throughput.

With the Avanti Series, we’ve set an all-new standard for enhanced performance and flexibility. Limits are now a thing of the past. In the footsteps of our founder, Beckman Coulter remains dedicated to your resourcefulness.

Service and Support

When you invest in Beckman Coulter instruments, you’re backed by an incomparable support organization. In North America, our 24/7 customer support center directs a team of engineers with extensive product knowledge who have the power to solve your problems quickly and efficiently. And no matter where you are in the world, as a Beckman Coulter customer you have access to experienced, courteous service. Because when your issues are taken care of, you can return your attention to critical tasks.



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Avanti J-26S

One centrifuge. So many possibilities.



Brilliance
at every turn.





BRINGING BENCHMARK PERFORMANCE HIGHER.

Already a leader in high performance, the Avanti J-26S has been redesigned to provide even more versatility and safety. Above and beyond its existing complete BioSafety* systems, the Avanti J-26S has a more impact-resistant lid, full containment barrier, and automatic rotor identification.

But improvements aren't the only features that set the Avanti J-26S apart. It's built upon standard-setting performance, including high speed, low heat output, imbalance tolerance and low noise. Its vast range of separations only continues to grow. And its ergonomic design—with lower instrument height and hands-free door operation—remains unchanged.

SPECIFICATIONS

Maximum Speed/g-Force
Maximum Capacity
Speed Control

Set Temperature
Temperature Control
Ambient Operating Range
Accel/Decel Profiles
Heat Output
Drive Type/Cooling
Refrigeration

Sound Level
57 dBa (0.91 m/3 ft from instrument at maximum speed)

Sterile Filter
Dimensions

Weight
290 kg (640 lb)

AVANTI J-26S XP
26,000 rpm/81,800 x g
6 Liters
Low Speed ±10 rpm of set speed
High Speed ±0.1% rpm of set speed
-10° C to 40° C in 1° increments
±2° C of set temperature
16° C to 38° C
2/3
6900 BTU/hr (2.0 kW)
SR**drive/Air-cooled
Non-CFC, non-ozone depleting refrigerant

AVANTI J-26S XPI
26,000 rpm/81,800 x g
6 Liters
Low Speed ±10 rpm of set speed
High Speed ±0.1% rpm of set speed
-10° C to 40° C in 1° increments
±2° C of set temperature
16° C to 38° C
12/13
6900 BTU/hr (2.0 kW)
SR**drive/Air-cooled
Non-CFC, non-ozone depleting refrigerant

Available
71W x 86D x 86H cm
(28W x 34D x 34H in)
290 kg (640 lb)

Avanti J-26S

Unsurpassed global responsibility.

At Beckman Coulter, we believe that innovation and sustainability go hand-in-hand. That our products can save resources at the same time as they drive life science research forward. And there's no better example than the Avanti J-26S—our most environmentally responsible centrifuge yet.

The resin used to manufacture the Avanti J-26S is made from post-consumer recycled water bottles. In fact, it can potentially save more than three tons of landfill space annually. And it's not just the instrument itself—the packaging for the instrument is 100% recyclable, and the carton is made of 60% recycled material.



1 High performance

Application versatility: can process six liters of fermentor output in less than 10 minutes, deliver a subcellular fraction at 82,000 x g, run 24 microplates at a time, and separate live cell populations with elutriation.

2 Complete BioSafety* systems

BioCertified† rotors, instruments and labware contain microbiological aerosols, while sterile filters prevent infectious materials from being expelled into the lab environment. Together, they enhance peace of mind for users and lab managers.

3 Dual system rotor recognition

Automatically detects which rotor is installed and prevents the rotor from running above its maximum-rated speed—without shutting down the run. All to ensure the safety of your lab.

4 Friction Reduction System

Enables quicker, quieter, more energy-efficient runs with better temperature control, which improves system reliability. High-torque, switched reluctance (SR) drive technology shortens cycle times.

5 Lightweight J-Lite rotors

Consistently designed to be the most efficient rotors—for reduced run times and high g-force.

6 Ergonomic design

Lower work surface for easier rotor handling. Foot pedal opens the door and improved door design swings up and out of the way.

7 Sustainability is built in

Each instrument saves approximately 9.6 pounds of post-consumer materials from the landfill.

ORDERING INFORMATION

AVANTI J-26S SERIES CENTRIFUGE MODELS	
Non-IVD	Description
B14535	Avanti J-26S XP, 200/208/240V, 50/60 Hz
B14536	Avanti J-26S XP, 230V, 50 Hz
B14537	Avanti J-26S XP, 220V (3-phase), 50 Hz
B14538	Avanti J-26S XPI, 200/208/240V, 50/60 Hz
B14539	Avanti J-26S XPI, 230V, 50 Hz
B14540	Avanti J-26S XPI, 220V (3-phase), 50 Hz

Elutriation systems are available. Please contact your sales representative.

*BioSafe and Biosafety are terms intended to describe the enhanced biocontainment features of our products.

**SR drives are manufactured by Beckman Coulter with technology licensed from Switched Reluctance Drives Limited.

†BioCertified is a term used to describe our products which have been tested and validated to demonstrate containment of microbiological aerosols by an independent, third-party facility (Health Protection Agency, Porton Down, UK or USAMRIID, Ft. Detrick, MD, USA). Improper use or maintenance may affect seal integrity and, thus, containment.