



# Frontier™ 5000 Series

Multi-Pro Centrifuges



## ***Powerful and Versatile Universal Centrifuges for Virtually Every Lab Application***

Frontier 5000 Multi-Pro Centrifuges are designed for universal use in virtually every application in research, industrial & clinical laboratories. Combine with our range of rotors & accessories for customized use in specific applications. Available in 5 models with capacities from low microliter to 6x250 ml - and featuring high speed performance at maximum volume, automatic rotor identification system and safety features, these multi-purpose centrifuges are a must for any lab.

### ***Standard Features Include:***

- **Powerful Platform Offers Maximum Flexibility for a Range of Applications**  
Our multi-purpose centrifuges offer a high-speed centrifugation platform which can be customized to fit workflow needs using a wide variety of rotors and accessories.
- **Intuitively Designed for User-Friendly Operation**  
The intuitive design of the centrifuges & accessories enable easy access to parameter settings, and quick rotation between applications. Features include automatic rotor recognition and backlit LCD.
- **Solid Engineering Ensures Reliability and Durability**  
The performance of these centrifuges is propelled by German engineering, and high-quality components for reliable use. Constructed of chemical-resistant stainless steel to ensure durability in lab use.
- **Increased Safety With Built-in Protective Features**  
Frontier 5000 Series is equipped with protective features, including automatic over-speed protection, imbalance detection and self-diagnostic system to ensure reliable use and operator safety.

# Frontier™ 5000 Series Multi-Pro Centrifuges

## Maximum Application Flexibility

Choose from five models from small to medium capacity, speed range of 14,000 – 16,000 rpm and non-refrigerated/refrigerated options to suit your application. Ideal for spinning most tubes and bottles in the lab, including microtubes, blood tubes, round bottom tubes, conical tubes and microtiter plates.

### FC5714 Centrifuge (non-refrigerated)

- Compatible with up to 9 optional rotors and 77 accessories
- Capacities from microliter to 4x100 ml
- High-speed centrifugation (>10000 rpm) from 0.2 ml up to 1.5/2.0 ml tubes
- Optional cytology accessories



### FC5718 (non-refrigerated) and FC5718R (refrigerated) Centrifuges

- Compatible with up to 19 optional rotors and 122 accessories
- Capacities from microliter to 4x100 ml
- High-speed centrifugation (>10000 rpm) from 0.2 ml up to 85 ml tubes
- Temperature variable range of -20 °C to 40 °C (FC5718R)
- Optional cytology accessories



### FC5816 (non-refrigerated) and FC5816R (refrigerated) Centrifuges

- Compatible with up to 13 optional rotors and 71 accessories
- Capacities from microliter to 6x250 ml
- Improved sample processing through-put with additional rotor for blood collection tubes and standard conical tubes
- High-speed centrifugation (>10000 rpm) from 0.2 ml up to 250 ml tubes
- Temperature variable range of -20 °C to 40 °C (FC5816R)



## Intuitively Designed for Simple Operation

Frontier 5000 Series was designed to make lab processes more efficient and easier, and includes many user-friendly features & software that allow for intuitive operation.

- Automatic rotor identification makes switching between applications extremely easy
- Simple one-hand operation enabled by the selection button/rotary knob combination —even with gloves on
- Large backlit LCD display shows centrifugation settings and real-time parameters on one interface
- Program storage up to 99 runs including parameter settings and rotor types



## Solid Engineering Ensures Reliability

Manufactured with high-quality components for reliable use and German engineered for high performance. Chemical and corrosion-resistant stainless steel housing ensures durability in lab environments.

- Maintenance-free induction drive
- Thread-free rotor locking mechanism
- Optimized airflow system to keep samples cool (non-refrigerated models)
- Pre-cooling program to quickly reach desired temperature (refrigerated models)
- Chemical and corrosion-resistant stainless steel housing ensures durability in lab environments
- Self-diagnostic program to record usage and error history for easy maintenance and to minimize downtime



## Safety Features for Increased Security

These centrifuges are equipped with additional protective features for redundancy in safety and reliable operation.

- Over-speed protection, immediately upon rotor insertion
- Active imbalance-detection with individual imbalance tolerances set for each rotor
- Motorized lid-locking system to protect operators from accidental injuries
- Sealed and bio-containment rotors to safeguard operators from harmful aerosols

## Rotor Competibility Table

FC5714	0.2/ 0.4 ml	0.5 ml	1.5/ 2.0 ml	4.5 ml	5 ml	7 ml	10 ml	15 ml	16 ml	25 ml	30 ml	50 ml	85 ml	100 ml	4- 10 ml*	5- 7 ml*	PCR	MTP
<b>Swing out rotor, 4x100 ml, ID</b> Item: 30314822 Max Speed: 4500 rpm Max RCF: 3350 xg			●	●				●		●	●	●	●	●	●	●		
<b>Swing out rotor, 4x100 ml, ID, Sealable</b> Item: 30314823 Max Speed: 4000 rpm Max RCF: 2486 xg			●				●	●		●	●	●	●	●		●		
<b>Swing out rotor, 2x3MTP, ID</b> Item: 30314824 Max Speed: 4500 rpm Max RCF: 2716 xg			▲															●
<b>Angle rotor, 6x50 ml, ID</b> Item: 30314830 Max Speed: 6000 rpm Max RCF: 4427 xg			▲		▲	▲		▲	▲		▲	●						
<b>Angle rotor, 30x15 ml, ID</b> Item: 30314832 Max Speed: 4500 rpm Max RCF: 2830 xg			▲		▲	▲		●										
<b>Angle rotor, 12x15 ml, ID</b> Item: 30314834 Max Speed: 6000 rpm Max RCF: 4427 xg			▲		▲	▲		●										
<b>Angle rotor, 30x1.5/2.0 ml, ID, Sealable</b> Item: 30314836 Max Speed: 12000 rpm Max RCF: 15131 xg	▲	▲	●															
<b>Angle rotor, 24x1.5/2.0 ml, ID</b> Item: 30314838 Max Speed: 14000 rpm Max RCF: 18624 xg	▲	▲	●															
<b>Angle rotor, 24x1.5/2.0 ml, ID, Sealable</b> Item: 30304361 Max Speed: 14000 rpm Max RCF: 18624 xg	▲	▲	●															

\* Blood collection tube  
ID: auto rotor identification  
Hi: version with higher speed

● Original size    ▲ With adapter

# Frontier™ 5000 Series Multi Pro Centrifuges

FC5718/FC5718R			0.2/ 0.4 ml	0.5 ml	1.5/ 2.0 ml	4.5 ml	5 ml	7 ml	10 ml	15 ml	16 ml	25 ml	30 ml	50 ml	85 ml	100 ml	4- 10 ml*	5- 7 ml*	PCR	MTP
<b>Swing out rotor, 4x100 ml, ID</b>																				
Item	30314822																			
For	FC5718	FC5718R			●	●				●		●	●	●	●	●	●	●		
Max Speed	4500 rpm	4500 rpm																		
Max RCF	3350 xg	3350 xg																		
<b>Swing out rotor, 4x100 ml, ID, Sealable</b>																				
Item	30314823																			
For	FC5718	FC5718R			●				●	●		●	●	●	●	●		●		
Max Speed	5000 rpm	5000 rpm																		
Max RCF	3885 xg	3885 xg																		
<b>Swing out rotor, 2x3MTP, ID</b>																				
Item	30314824																			
For	FC5718	FC5718R			▲															●
Max Speed	4500 rpm	4500 rpm																		
Max RCF	2716 xg	2716 xg																		
<b>Angle rotor, 6x85 ml, ID, Hi</b>																				
Item	30314825																			
For	FC5718	FC5718R								▲	▲		▲	▲	●					
Max Speed	11000 rpm	13500 rpm																		
Max RCF	13932 xg	20984 xg																		
<b>Angle rotor, 6x85 ml, ID</b>																				
Item	30314826																			
For	FC5718	FC5718R								▲	▲		▲	▲	●					
Max Speed	9000 rpm	9000 rpm																		
Max RCF	10413 xg	10413 xg																		
<b>Angle rotor, 4x85 ml, ID, Hi</b>																				
Item	30314827																			
For	FC5718	FC5718R								▲	▲		▲	▲	●					
Max Speed	12000 rpm	12000 rpm																		
Max RCF	14809 xg	14809 xg																		
<b>Angle rotor, 10x50 ml, ID</b>																				
Item	30314829																			
For	FC5718	FC5718R			▲		▲	▲		▲				●						
Max Speed	7500 rpm	7500 rpm																		
Max RCF	8174 xg	8174 xg																		
<b>Angle rotor, 6x50 ml, ID</b>																				
Item	30314830																			
For	FC5718	FC5718R			▲		▲	▲		▲	▲		▲	●						
Max Speed	6000 rpm	6000 rpm																		
Max RCF	4427 xg	4427 xg																		
<b>Angle rotor, 6x50 ml, ID, Hi</b>																				
Item	30314831																			
For	FC5718	FC5718R								▲	▲		▲	●						
Max Speed	12000 rpm	12000 rpm																		
Max RCF	13522 xg	13522 xg																		
<b>Angle rotor, 30x15 ml, ID</b>																				
Item	30314832																			
For	FC5718	FC5718R			▲		▲	▲		●										
Max Speed	4500 rpm	4500 rpm																		
Max RCF	2830 xg	2830 xg																		

\* Blood collection tube  
 ID: auto rotor identification  
 Hi: version with higher speed

● Original size ▲ With adapter  
 (Continue on next page)



FC5718/FC5718R			0.2/ 0.4 ml	0.5 ml	1.5/ 2.0 ml	4.5 ml	5 ml	7 ml	10 ml	15 ml	16 ml	25 ml	30 ml	50 ml	85 ml	100 ml	4- 10 ml *	5- 7 ml *	PCR	MTP
<b>Angle rotor, 20×10 ml, Hi</b>																				
Item	30314833																			
For	FC5718	FC5718R							●											
Max Speed	12000 rpm	12000 rpm																		
Max RCF	15775 xg	15775 xg																		
<b>Angle rotor, 12×15 ml, ID</b>																				
Item	30314834																			
For	FC5718	FC5718R			▲		▲	▲	●											
Max Speed	6000 rpm	6000 rpm																		
Max RCF	4427 xg	4427 xg																		
<b>Angle rotor, 44×1.5/2.0 ml, ID</b>																				
Item	30314835																			
For	FC5718	FC5718R	▲	▲	●															
Max Speed	13500 rpm	13500 rpm																		
Max RCF	17113 xg	17113 xg																		
<b>Angle rotor, 30×1.5/2.0 ml, ID, Sealable</b>																				
Item	30314836																			
For	FC5718	FC5718R	▲	▲	●															
Max Speed	13000 rpm	14000 rpm																		
Max RCF	17758 xg	20595 xg																		
<b>Angle rotor, 24×1.5/2.0 ml, ID</b>																				
Item	30314838																			
For	FC5718	FC5718R	▲	▲	●															
Max Speed	14000 rpm	15000 rpm																		
Max RCF	18624 xg	21379 xg																		
<b>Angle rotor, 24×1.5/2.0 ml, ID, Sealable</b>																				
Item	30304361																			
For	FC5718	FC5718R	▲	▲	●															
Max Speed	14000 rpm	15000 rpm																		
Max RCF	18624 xg	21379 xg																		
<b>Angle rotor, 12×1.5/2.0 ml, ID</b>																				
Item	30314839																			
For	FC5718	FC5718R	▲	▲	●															
Max Speed	18000 rpm	18000 rpm																		
Max RCF	23542 xg	23542 xg																		
<b>Angle rotor, 64×0.5 ml, ID</b>																				
Item	30314840																			
For	FC5718	FC5718R	●																	
Max Speed	13500 rpm	13500 rpm																		
Max RCF	16298 xg	16298 xg																		
<b>Angle rotor, 4×8-w PCR Strip, ID</b>																				
Item	30314841																			
For	FC5718	FC5718R																		●
Max Speed	15000 rpm	15000 rpm																		
Max RCF	15343 xg	15343 xg																		

\* Blood collection tube  
ID: auto rotor identification  
Hi: version with higher speed

● Original size ▲ With adapter

# Frontier™ 5000 Series Multi Pro Centrifuges

FC5816/FC5816R		0.2/ 0.4 ml	0.5 ml	1.5/ 2.0 ml	4.5 ml	5 ml	7 ml	10 ml	15 ml	16 ml	25 ml	30 ml	50 ml	85 ml	100 ml	250 ml	4- 10 ml*	5- 7 ml*	PCR	MTP
<b>Swing out rotor, 4x250ml, ID</b>																				
Item	30314820																			
For	FC5816	FC5816R																		
Max Speed	4500 rpm	4500 rpm																		
Max RCF	3780 xg	3780 xg																		
<b>Swing out rotor, 2x3MTP, ID</b>																				
Item	30314824																			
For	FC5816	FC5816R																		
Max Speed	4500 rpm	4500 rpm																		
Max RCF	2716 xg	2716 xg																		
<b>Swing out rotor, 16x50 ml, ID</b>																				
Item	30314828																			
For	FC5816	FC5816R																		
Max Speed	4500 rpm	4500 rpm																		
Max RCF	3735 xg	3735 xg																		
<b>Angle rotor, 6x250 ml, ID</b>																				
Item	30314821																			
For	FC5816	FC5816R																		
Max Speed	8000 rpm	8000 rpm																		
Max RCF	10016 xg	10016 xg																		
<b>Angle rotor, 6x85 ml, ID</b>																				
Item	30314826																			
For	FC5816	FC5816R																		
Max Speed	11000 rpm	13000 rpm																		
Max RCF	15555 xg	21726 xg																		
<b>Angle rotor, 4x85 ml, ID, Hi</b>																				
Item	30314827																			
For	FC5816	FC5816R																		
Max Speed	12000 rpm	12000 rpm																		
Max RCF	14809 xg	14809 xg																		
<b>Angle rotor, 10x50 ml, ID</b>																				
Item	30314829																			
For	FC5816	FC5816R																		
Max Speed	9000 rpm	10500 rpm																		
Max RCF	11771 xg	16022 xg																		
<b>Angle rotor, 6x50 ml, ID, Hi</b>																				
Item	30314831																			
For	FC5816	FC5816R																		
Max Speed	13000 rpm	13000 rpm																		
Max RCF	15869 xg	15869 xg																		
<b>Angle rotor, 30x15 ml, ID</b>																				
Item	30314832																			
For	FC5718	FC5718R																		
Max Speed	4500 rpm	4500 rpm																		
Max RCF	2830 xg	2830 xg																		

\* Blood collection tube  
 ID: auto rotor identification  
 Hi: version with higher speed

● Original size    ▲ With adapter  
 (Continue on next page)

FC5816/FC5816R			0.2/ 0.4 ml	0.5 ml	1.5/ 2.0 ml	4.5 ml	5 ml	7 ml	10 ml	15 ml	16 ml	25 ml	30 ml	50 ml	85 ml	100 ml	250 ml	4- 10 ml*	5- 7 ml*	PCR	MTP
<b>Angle rotor, 20x10 ml, ID, Hi</b>																					
Item	30314833																				
For	FC5816	FC5816R							●												
Max Speed	12000 rpm	12000 rpm																			
Max RCF	15775 xg	15775 xg																			
<b>Angle rotor, 44x1.5/2.0 ml, ID</b>																					
Item	30314835																				
For	FC5816	FC5816R	▲	▲	●																
Max Speed	15000 rpm	16000 rpm																			
Max RCF	21128 xg	24039 xg																			
<b>Angle rotor, 24x1.5/2.0 ml, ID</b>																					
Item	30314838																				
For	FC5816	FC5816R	▲	▲	●																
Max Speed	15000 rpm	16000 rpm																			
Max RCF	21379 xg	24325 xg																			
<b>Angle rotor, 24x1.5/2.0 ml, ID, Sealable</b>																					
Item	30304361																				
For	FC5816	FC5816R	▲	▲	●																
Max Speed	15000 rpm	16000 rpm																			
Max RCF	21379 xg	24325 xg																			

\* Blood collection tube  
ID: auto rotor identification  
Hi: version with higher speed

● Original size    ▲ With adapter

# Frontier™ 5000 Series Multi Pro Centrifuges

Model	FC5714		FC5718		FC5718R		FC5816		FC5816R	
Maximum Speed	14000 rpm 10 rpm/set		18000 rpm 10 rpm/set		18000 rpm 10 rpm/set		15000 rpm 10 rpm/set		16000 rpm 10 rpm/set	
Maximum RCF	18624 × g 10 × g/set		23542 × g 10 × g/set		23542 × g 10 × g/set		21379 × g 10 × g/set		24325 × g 10 × g/set	
Maximum Capacity	4 × 100ml		4 × 100ml		4 × 100ml		6 × 250ml		6 × 250ml	
Temperature range	Air cool		Air cool		-20~40°C		Air cool		-20~40 °C	
Running Time	Short Spin, 10 sec to 99 hr 59 min 59 sec, or continuous									
Noise Level (depending on the rotor)	≤ 63 ± 2 dB(A)		≤ 60 ± 2 dB(A)		≤ 60 ± 2 dB(A)		≤ 61 ± 2 dB(A)		≤ 63 ± 2 dB(A)	
Number of Compatible Rotors	9		19		19		13		13	
Acc/Dec Levels	10									
Allowable Kinetic Energy	5595 Nm		16672 Nm		25111 Nm		34363 Nm		34363 Nm	
AC Power	120V ~ 50/60 Hz	230 V ~ 50/60 Hz	120V ~ 50/60 Hz	230 V ~ 50/60 Hz	120V ~ 50/60 Hz	230 V ~ 50/60 Hz	120V ~ 50/60 Hz	230 V ~ 50/60 Hz	120V ~ 50/60 Hz	230 V ~ 50/60 Hz
Current Consumption	2.4 A	1.3 A	4.0 A	2.0 A	6.0 A	3.0 A	4.2 A	2.4 A	7.8 A	3.7 A
Power Consumption	300 W	240 W	475 W	455 W	660 W	660 W	520 W	530 W	850 W	785 W
Voltage Fluctuation	± 10 %									
Dimensions (W × D × H)	362 x 493 x 330 mm		408 x 499 x 351 mm		407 x 731 x 359 mm		446 x 538 x 354 mm		723 x 538 x 354 mm	
Net Weight (without rotor)	30 kg		43 kg		60 kg		52 kg		77 kg	
Environment	For indoor use only									

## Other Standard Features and Equipment

Ten acceleration and ten deceleration rates, pre-selection of running time from 10s to 99h 59min or continuous, audible signal at the end of each run with melody options, quick spin, CFC-free refrigeration system, sample temperature indication and standstill cooling (refrigerated models)

## Compliance

- **Product Safety:** EN 61010-1; EN 61010-2-020
- **EMC:** EN 61326-1


0

80775110 © Copyright OHAUS Corporation

ISO 9001:2008  
Registered Quality  
Management System  
Europe Literature #




# Frontier™ 5000 Multi Pro Accessories


	Order No.	30304361	Description	Rotor, Angle, 24x1.5/2.0ml, ID, Sealable		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	14000 rpm	14000 rpm	15000 rpm	15000 rpm	16000 rpm
	max. RCF	18624 xg	18624 xg	21379 xg	21379 xg	24325 xg
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
Without Adapter	Rotor, Angle, 24x1.5/2.0 ml, ID, Sealable	1.5/2.0 ml	11 mm	Micro tube	24	
30130885	Adapter, 1x0.5 ml D8mm, 6/pk	0.5 ml	8 mm	Micro tube	24	
30130884	Adapter, 1x0.2/0.4 ml D6mm, 6/pk	0.2/0.4 ml	6 mm	Micro tube	24	

	Order No.	30314820	Description	Rotor, Swing out, 4x250ml, ID		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	—	—	—	4500 rpm	4500 rpm
	max. RCF	—	—	—	3780 xg	3780 xg
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
30314901	Screw Cap, Rack of 250 ml Rotor, 2/pk	—	—	—	—	
30314902	O-ring, Rack of 250 ml Rotor, 10/pk	—	—	—	—	
30314903	Rack, 1x250 ml D62 mm FB, 2/pk	250 ml	62 mm	Flat bottom	4	
30314904	Rack, 1x100 ml D41 mm RB, 2/pk	100 ml	41 mm	Round bottom	4	
30314907	Rack, 1x50 ml D34 mm RB, 2/pk, v3	50 ml	34 mm	Round bottom	4	
30314905	Rack, 3x50 ml D29 mm RB, 2/pk	50 ml	29 mm	Round bottom	12	
30314906	Rack, 3x50 ml D29 mm FA, 2/pk	50 ml	29 mm	Conical bottom	12	
30314908	Rack, 2x50 ml D29 mm Rim, 2/pk	50 ml	29 mm	Skirted conical bottom	8	
30314909	Rack, 1x50 ml D29 mm Rim, 2/pk, v3	50 ml	29 mm	Skirted conical bottom	4	
30314910	Rack, 5x25 ml D24.5 mm RB, 2/pk	25 ml	24.5 mm	Round bottom	20	
30314911	Rack, 3x25 ml D24.5 mm Rim, 2/pk	25 ml	24.5 mm	Skirted conical bottom	12	
30314912	Rack, 9x15 ml D17 mm RB, 2/pk	15 ml	17 mm	Round bottom	36	
30314913	Rack, 7x15 ml D17 mm FA, 2/pk	15 ml	17 mm	Conical bottom	28	
30314914	Rack, 7x15 ml D17 mm Rim, 2/pk	15 ml	17 mm	Skirted conical bottom	28	
30314915	Rack, 8x10 ml D16 mm RB, 2/pk	10 ml	16 mm	Round bottom	32	
30304367	Rack, 8x4-10 ml D16 mm Vac, 2/pk	4-10 ml	16 mm	Vacutainer	32	
30314916	Rack, 14x5-7 ml D13 mm RB, 2/pk	5-7 ml	13 mm	Round bottom	56	
30314917	Rack, 10x1.6-7 ml D13 mm Vac, 2/pk	1.6-7 ml	13 mm	Vacutainer	40	
30304368	Adapter, 9x1.5/2.0 ml D11 mm , 2/pk	1.5/2.0 ml	11 mm	Micro tube	36	




# Frontier™ 5000 Multi Pro Accessories


	Order No.	30314821	Description	Rotor, Angle, 6x250 ml FB, ID		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	—	—	—	8000 rpm	8000 rpm
	max. RCF	—	—	—	10016 xg	10016 xg
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
Without Adapter	Rotor, Angle, 6x250 ml FB, ID	250 ml	62 mm	FB	6	
30304374	Adapter, 1x50 ml D30 mm FA, 2/pk	50 ml	30 mm	Conical bottom	6	
30304373	Adapter, 1x50 ml D29 mm RB, 2/pk	50 ml	29 mm	Round bottom	6	
30304372	Adapter, 2x30 ml D26 mm RB, 2/pk	30 ml	26 mm	Round bottom	12	
30304371	Adapter, 4x15 ml D17 mm FA, 2/pk	15 ml	17 mm	Conical bottom	24	
30304370	Adapter, 5x10 ml D16 mm RB, 2/pk	10 ml	16 mm	Round bottom	30	
30304369	Adapter, 8x1.5 ml D11 mm , 2/pk	1.5 ml	11 mm	Micro tube	48	


	Order No.	30314822	Description	Rotor, Swing out, 4x100 ml, ID		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	4500 rpm	4500 rpm	4500 rpm	—	—
	max. RCF	3350 xg	3350 xg	3350 xg	—	—
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
30314842	Rack, 1x100 ml D46 mm RB, 2/pk	100 ml	46 mm	Round bottom	4	
30314843	Rack, 1x85 ml D38 mm RB, 2/pk	85 ml	38 mm	Round bottom	4	
30314844	Rack, 1x50 ml D34 mm RB, 2/pk	50 ml	34 mm	Round bottom	4	
30314845	Rack, 1x50 ml D29 mm RB, 2/pk	50 ml	29 mm	Round bottom	4	
30314846	Rack, 1x50 ml D29 mm FA, 2/pk	50 ml	29 mm	Conical bottom	4	
30314847	Rack, 1x50 ml D29 mm Rim, 2/pk	50 ml	29 mm	Skirted conical bottom	4	
30314848	Rack, 1x30 ml D25 mm Rim, 2/pk	30 ml	25 mm	Skirted conical bottom	4	
30314849	Rack, 1x25 ml D25 mm RB, 2/pk	25 ml	25 mm	Round bottom	4	
30314852	Rack, 7x15 ml D17 mm RB, 2/pk	15 ml	17 mm	Round bottom	28	
30314850	Rack, 2x15 ml D17 mm FA, 2/pk	15 ml	17 mm	Conical bottom	8	
30314851	Rack, 1x15 ml D17 mm Rim, 2/pk	15 ml	17 mm	Skirted conical bottom	4	
30314858	Rack, 5x4-10 ml D16 mm Sar, 2/pk	4-10 ml	16 mm	Sarstedt	20	
30314853	Rack, 9x5-7 ml D13 mm RB, 2/pk	5-7 ml	13 mm	Round bottom	36	
30314856	Rack, 7x5-7 ml D13 mm RB, 2/pk	5-7 ml	13 mm	Round bottom	28	
30314857	Rack, 7x5-7 ml D13 mm Vac, 2/pk	5-7 ml	13 mm	Vacutainer	28	
30314854	Rack, 10x1.5 ml D11 mm, 2/pk	1.5 ml	11 mm	Micro tube	40	
30314855	Rack, 9x4.5 ml D12 mm FB, 2/pk	4.5 ml	12 mm	Flat bottom	36	


	<b>Order No.</b>	<b>30314823</b>	<b>Description</b>	<b>Rotor, Swing out, 4x100ml, ID, Sealable</b>		
	<b>Compatible to</b>	<b>FC5714</b>	<b>FC5718</b>	<b>FC5718R</b>	<b>FC5816</b>	<b>FC5816R</b>
	<b>max. speed</b>	4000 rpm	5000 rpm	5000 rpm	—	—
	<b>max. RCF</b>	2486 xg	3885 xg	3885 xg	—	—
<b>Accessories</b>						
<b>Order No.</b>	<b>Description</b>	<b>Vol./Tube</b>	<b>Tube Diameter</b>	<b>Tube type</b>	<b>No.of tubes/rotor</b>	
30314860	Bucket, 100 ml w/o Cap, 2/pk	—	—	—	—	
30314861	Bucket, 100 ml w/ Cap, Sealable, 2/pk	—	—	—	—	
30314862	Screw Cap, 100 ml Bucket, Sealable, 2/pk	—	—	—	—	
30314863	O-ring, 100 ml Bucket, Sealable, 10/pk	—	—	—	—	
30314864	Rack, 1x100 ml D40 mm RB, 2/pk	100 ml	40 mm	Round bottom	4	
30314865	Rack, 1x85 ml D38 mm RB, 2/pk, v2	85 ml	38 mm	Round bottom	4	
30314866	Rack, 1x50 ml D34 mm RB, 2/pk, v2	50 ml	34 mm	Round bottom	4	
30314867	Rack, 1x50 ml D29 mm RB, 2/pk, v2	50 ml	29 mm	Round bottom	4	
30314868	Rack, 1x50 ml D29 mm FA, 2/pk, v2	50 ml	29 mm	Conical bottom	4	
30314881	Bucket, 2x50 ml D29 mm FA, w/ Rack, 2/pk	50 ml	29 mm	Conical bottom	8	
30314869	Rack, 1x50 ml D29 mm Rim, 2/pk, v2	50 ml	29 mm	Skirted conical bottom	4	
30314870	Rack, 1x30 ml D25 mm Rim, 2/pk, v2	30 ml	25 mm	Skirted conical bottom	4	
30314871	Rack, 1x25 ml D25 mm RB, 2/pk, v2	25 ml	25 mm	Round bottom	4	
30314872	Rack, 1x15 ml D17 mm FA, 2/pk	15 ml	17 mm	Conical bottom	4	
30314873	Rack, 2x15 ml D17 mm FA, 2/pk, v2	15 ml	17 mm	Conical bottom	8	
30314874	Rack, 2x15 ml D17 mm Rim, 2/pk	15 ml	17 mm	Skirted conical bottom	8	
30314875	Rack, 4x15 ml D17 mm RB, 2/pk	15 ml	17 mm	Round bottom	16	
30314882	Bucket, 3x15 ml D17 mm FA, w/ Rack, 2/pk	15 ml	17 mm	Conical bottom	12	
30314878	Rack, 3x10 ml D17 mm Sar, 2/pk	10 ml	17 mm	Sarstedt	12	
30314880	Rack, 4x10 ml D17 mm Vac, 2/pk	10 ml	17 mm	Vacutainer	16	
30314876	Rack, 7x5-7 ml D13 mm RB, 2/pk, v2	5-7 ml	13 mm	Round bottom	28	
30314879	Rack, 4x5-7 ml D13 mm RB, 2/pk	5-7 ml	13 mm	Round bottom	16	
30314877	Rack, 5x1.5 ml D11 mm, 2/pk	1.5 ml	11 mm	Micro tube	20	
30314883	Cyto, Rectangular Bucket, 2/pk	—	—	—	—	
30314884	Cyto, Slide Carrier, 1/pk	—	—	—	—	
30314885	Cyto, Container, 2x1.5 ml Cyl., 1/pk	—	—	—	—	
30314886	Cyto, Container, 2x3 ml Conical, 1/pk	—	—	—	—	
30314887	Cyto, Container Cover, 1/pk	—	—	—	—	
30314888	Cyto, Filter Card, Cyl., 100/pk	—	—	—	—	
30314889	Cyto, Filter Card, Conical, 100/pk	—	—	—	—	


# Frontier™ 5000 Multi Pro Accessories


	Order No.	30314824	Description	Rotor, Swing out, 2x3MTP, ID		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	4500 rpm	4500 rpm	4500 rpm	4500 rpm	4500 rpm
	max. RCF	2716 xg	2716 xg	2716 xg	2716 xg	2716 xg
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
Without Adapter	Rotor, Swing out, 2 ×3MTP, ID	MTP	—	—	6	
30314890	Bucket, 3×MTP, 2/pk	MTP	—	—	6	
30314891	Adapter, 48×1.5/2.0 ml D11mm, 2/pk	1.5/2.0 ml	11mm	Micro tube	96	

	Order No.	30314825	Description	Rotor, Angle, 6x85 ml RB, ID, Hi		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	—	11000 rpm	13500 rpm	—	—
	max. RCF	—	13932 xg	20984 xg	—	—
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
Without Adapter	Rotor, Angle, 6 ×85 ml RB, ID, Hi	85 ml	38 mm	Round bottom	6	
30314895	Adapter, 1×50 ml D29 mm RB, 2/pk, v2	50 ml	29 mm	Round bottom	6	
30314896	Adapter, 1×50 ml D29 mm FA, 2/pk	50 ml	29 mm	Conical bottom	6	
30314894	Adapter, 1×30 ml D25 mm RB, 2/pk	30 ml	25 mm	Round bottom	6	
30314899	Adapter, 1×16 ml D18 mm RB, 2/pk	16 ml	18 mm	Round bottom	6	
30314897	Adapter, 1×15 ml D17 mm FA, 2/pk	15 ml	17 mm	Conical bottom	6	
30314898	Adapter, 2×15 ml D17 mm RB, 2/pk	15 ml	17 mm	Round bottom	12	
30314893	Adapter, 1×15 ml D17 mm RB, 2/pk	15 ml	17 mm	Round bottom	6	


	Order No.	30314826	Description	Rotor, Angle, 6x85 ml RB, ID		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	—	9000 rpm	9000 rpm	11000 rpm	13000 rpm
	max. RCF	—	10413 xg	10413 xg	15555 xg	21726 xg
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
Without Adapter	Rotor, Angle, 6 ×85 ml RB, ID	85 ml	38 mm	Round bottom	6	
30314895	Adapter, 1×50 ml D29 mm RB, 2/pk, v2	50 ml	29 mm	Round bottom	6	
30314896	Adapter, 1×50 ml D29 mm FA, 2/pk	50 ml	29 mm	Conical bottom	6	
30314894	Adapter, 1×30 ml D25 mm RB, 2/pk	30 ml	25 mm	Round bottom	6	
30314899	Adapter, 1×16 ml D18 mm RB, 2/pk	16 ml	18 mm	Round bottom	6	
30314897	Adapter, 1×15 ml D17 mm FA, 2/pk	15 ml	17 mm	Conical bottom	6	
30314898	Adapter, 2×15 ml D17 mm RB, 2/pk	15 ml	17 mm	Round bottom	12	
30314893	Adapter, 1×15 ml D17 mm RB, 2/pk	15 ml	17 mm	Round bottom	6	


	Order No.	30314827	Description	Rotor, Angle, 4x85 ml RB, ID, Hi		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	—	12000 rpm	12000 rpm	12000 rpm	12000 rpm
	max. RCF	—	14809 xg	14809 xg	14809 xg	14809 xg
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
Without Adapter	Rotor, Angle, 4x85 ml RB, ID, Hi	85 ml	38 mm	Round bottom	4	
30314895	Adapter, 1x50 ml D29 mm RB, 2/pk, v2	50 ml	29 mm	Round bottom	4	
30314896	Adapter, 1x50 ml D29 mm FA, 2/pk	50 ml	29 mm	Conical bottom	4	
30314894	Adapter, 1x30 ml D25 mm RB, 2/pk	30 ml	25 mm	Round bottom	4	
30314899	Adapter, 1x16 ml D18 mm RB, 2/pk	16 ml	18 mm	Round bottom	4	
30314897	Adapter, 1x15 ml D17 mm FA, 2/pk	15 ml	17 mm	Conical bottom	4	
30314898	Adapter, 2x15 ml D17 mm RB, 2/pk	15 ml	17 mm	Round bottom	8	
30314893	Adapter, 1x15 ml D17 mm RB, 2/pk	15 ml	17 mm	Round bottom	4	


	Order No.	30314828	Description	Rotor, Swing out, 16x50 ml, ID		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	—	—	—	4500 rpm	4500 rpm
	max. RCF	—	—	—	3735 xg	3735 xg
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
30304375	Rack, 4x50 ml D29 mm FA, 2/pk	50 ml	29 mm	Conical bottom	16	
30314583	Rack, 10x15 ml D17 mm FA, 2/pk	15 ml	17 mm	Conical bottom	40	
30314585	Rack, 12x4-10 ml D16 mm Vac/Sar, 2/pk	4-10 ml	16 mm	Vacutainer/Sarstedt	48	
30314584	Rack, 14x5-7 ml D13 mm Vac/Sar, 2/pk	5-7 ml	13 mm	Vacutainer/Sarstedt	56	

	Order No.	30314829	Description	Rotor, Angle, 10x50 ml FA, ID		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	—	7500 rpm	7500 rpm	9000 rpm	10500 rpm
	max. RCF	—	8174 xg	8174 xg	11771 xg	16022 xg
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
Without Adapter	Rotor, Angle, 10x50 ml FA, ID	50 ml	29 mm	Conical bottom	10	
30130894	Adapter, 1x15 ml D17 mm RB, 2/pk, v2	15 ml	17 mm	Round bottom	10	
30130889	Adapter, 1x7 ml D13.5 mm RB, 2/pk	7 ml	13.5 mm	Round bottom	10	
30130890	Adapter, 1x5 ml D13.5 mm, 2/pk	5 ml	13.5 mm	Round bottom	10	
30130886	Adapter, 1x1.5/2.0 ml D11 mm, 6/pk	1.5/2.0 ml	11 mm	Micro tube	10	


# Frontier™ 5000 Multi Pro Accessories


	Order No.	30314830	Description	Rotor, Angle, 6x50 ml RB/FA, ID		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	6000 rpm	6000 rpm	6000 rpm	—	—
	max. RCF	4427 xg	4427 xg	4427 xg	—	—
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
Without Adapter	Rotor, Angle, 6x50 ml RB/FA, ID	50 ml	29 mm	Round/Conical bottom	6	
30130891	Adapter, 1x30 ml D26 mm, 2/pk	30 ml	26 mm	Round bottom	6	
30130892	Adapter, 1x16 ml D18 mm, 2/pk	16 ml	18 mm	Round bottom	6	
30130893	Adapter, 1x15 ml D17 mm, 2/pk	15 ml	17 mm	Round bottom	6	
30130894	Adapter, 1x15 ml D17 mm RB, 2/pk, v2	15 ml	17 mm	Round/Conical bottom	6	
30130889	Adapter, 1x7 ml D13.5 mm RB, 2/pk	7 ml	13.5 mm	Round bottom	6	
30130890	Adapter, 1x5 ml D13.5 mm, 2/pk	5 ml	13.5 mm	Round bottom	6	
30130886	Adapter, 1x1.5/2.0 ml D11 mm, 6/pk	1.5/2.0 ml	11 mm	Micro tube	6	


	Order No.	30314831	Description	Rotor, Angle, 6x50 ml RB, ID, Hi		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	—	12000 rpm	12000 rpm	13000 rpm	13000 rpm
	max. RCF	—	13522 xg	13522 xg	15869 xg	15869 xg
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
Without Adapter	Rotor, Angle, 6x50 ml RB, ID, Hi	50 ml	29 mm	Round bottom	6	
30130891	Adapter, 1x30 ml D26 mm, 2/pk	30 ml	26 mm	Round bottom	6	
30130892	Adapter, 1x16 ml D18 mm, 2/pk	16 ml	18 mm	Round bottom	6	
30314892	Adapter, 1x15 ml D17.5 mm FA, 2/pk	15 ml	17.5 mm	Conical bottom	6	
30130893	Adapter, 1x15 ml D17 mm, 2/pk	15 ml	17 mm	Round bottom	6	


	Order No.	30314832	Description	Rotor, Angle, 30x15 ml RB/FA, ID		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	4500 rpm	4500 rpm	4500 rpm	4500 rpm	4500 rpm
	max. RCF	2830 xg	2830 xg	2830 xg	2830 xg	2830 xg
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
Without Adapter	Rotor, Angle, 30x15 ml RB/FA, ID	15 ml	17 mm	Round/Conical bottom	30	
30130889	Adapter, 1x7 ml D13.5 mm RB, 2/pk	7 ml	13.5 mm	Round bottom	30	
30130890	Adapter, 1x5 ml D13.5 mm, 2/pk	5 ml	13.5 mm	Round bottom	30	
30130886	Adapter, 1x1.5/2.0 ml D11 mm, 6/pk	1.5/2.0 ml	11 mm	Micro tube	30	





	Order No.	30314833	Description	Rotor, Angle, 20x10ml RB, ID, Hi		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	—	12000 rpm	12000 rpm	12000 rpm	12000 rpm
	max. RCF	—	15775 xg	15775 xg	15775 xg	15775 xg
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
Without Adapter	Rotor, Angle, 20x10ml RB, ID, Hi	10 ml	16 mm	Round bottom	20	


	Order No.	30314834	Description	Rotor, Angle, 12x15 ml RB/FA, ID		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	6000 rpm	6000 rpm	6000 rpm	—	—
	max. RCF	4427 xg	4427 xg	4427 xg	—	—
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
Without Adapter	Rotor, Angle, 12x15 ml RB/FA, ID	15 ml	17 mm	Round/Conical bottom	12	
30130889	Adapter, 1x7 ml D13.5 mm RB, 2/pk	7 ml	13.5 mm	Round bottom	12	
30130890	Adapter, 1x5 ml D13.5 mm, 2/pk	5 ml	13.5 mm	Round bottom	12	
30130886	Adapter, 1x1.5/2.0 ml D11 mm, 6/pk	1.5/2.0 ml	11 mm	Micro tube	12	


	Order No.	30314835	Description	Rotor, Angle, 44x1.5/2.0 ml, ID		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	—	13500 rpm	13500 rpm	15000 rpm	16000 rpm
	max. RCF	—	17113 xg	17113 xg	21128 xg	24039 xg
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
Without Adapter	Rotor, Angle, 44x1.5/2.0 ml, ID	1.5/2.0 ml	11 mm	Micro tube	44	
30130885	Adapter, 1x0.5 ml D8 mm, 6/pk	0.5 ml	8 mm	Micro tube	44	
30130884	Adapter, 1x0.2/0.4 ml D6 mm, 6/pk	0.2/0.4 ml	6 mm	Micro tube	44	

	Order No.	30314836	Description	Rotor, Angle, 30x1.5/2.0 ml, ID, Sealable		
	Compatible to	FC5714	FC5718	FC5718R	FC5816	FC5816R
	max. speed	12000 rpm	13000 rpm	14000 rpm	—	—
	max. RCF	15131 xg	17758 xg	20595 xg	—	—
Accessories						
Order No.	Description	Vol./Tube	Tube Diameter	Tube type	No.of tubes/rotor	
Without Adapter	Rotor, Angle, 30x1.5/2.0 ml, ID, Sealable	1.5/2.0 ml	11 mm	Micro tube	30	
30130885	Adapter, 1x0.5 ml D8 mm, 6/pk	0.5 ml	8 mm	Micro tube	30	
30130884	Adapter, 1x0.2/0.4 ml D6 mm, 6/pk	0.2/0.4 ml	6 mm	Micro tube	30	

	<b>Order No.</b>	<b>30314838</b>	<b>Description</b>	<b>Rotor, Angle, 24x1.5/2.0 ml, ID</b>		
	<b>Compatible to</b>	<b>FC5714</b>	<b>FC5718</b>	<b>FC5718R</b>	<b>FC5816</b>	<b>FC5816R</b>
	<b>max. speed</b>	14000 rpm	14000 rpm	15000 rpm	15000 rpm	16000 rpm
	<b>max. RCF</b>	18624 xg	18624 xg	21379 xg	21379 xg	24325 xg
<b>Accessories</b>						
<b>Order No.</b>	<b>Description</b>	<b>Vol./Tube</b>	<b>Tube Diameter</b>	<b>Tube type</b>	<b>No.of tubes/rotor</b>	
Without Adapter	Rotor, Angle, 24x1.5/2.0 ml, ID	1.5/2.0 ml	11 mm	Micro tube	24	
30130885	Adapter, 1x0.5 ml D8 mm, 6/pk	0.5 ml	8 mm	Micro tube	24	
30130884	Adapter, 1x0.2/0.4 ml D6 mm, 6/pk	0.2/0.4 ml	6 mm	Micro tube	24	

	<b>Order No.</b>	<b>30314839</b>	<b>Description</b>	<b>Rotor, Angle, 12x1.5/2.0 ml, ID</b>		
	<b>Compatible to</b>	<b>FC5714</b>	<b>FC5718</b>	<b>FC5718R</b>	<b>FC5816</b>	<b>FC5816R</b>
	<b>max. speed</b>	—	18000 rpm	18000 rpm	—	—
	<b>max. RCF</b>	—	23542 xg	23542 xg	—	—
<b>Accessories</b>						
<b>Order No.</b>	<b>Description</b>	<b>Vol./Tube</b>	<b>Tube Diameter</b>	<b>Tube type</b>	<b>No.of tubes/rotor</b>	
Without Adapter	Rotor, Angle, 12x1.5/2.0 ml, ID	1.5/2.0 ml	11 mm	Micro tube	12	
30314900	Adapter, 1x1.5 ml for over16000xg, 6/pk	1.5 ml	11 mm	Micro tube	12	
30130885	Adapter, 1x0.5 ml D8 mm, 6/pk	0.5 ml	8 mm	Micro tube	12	
30130884	Adapter, 1x0.2/0.4 ml D6 mm, 6/pk	0.2/0.4 ml	6 mm	Micro tube	12	

	<b>Order No.</b>	<b>30314840</b>	<b>Description</b>	<b>Rotor, Angle, 64x0.5 ml, ID</b>		
	<b>Compatible to</b>	<b>FC5714</b>	<b>FC5718</b>	<b>FC5718R</b>	<b>FC5816</b>	<b>FC5816R</b>
	<b>max. speed</b>	—	13500 rpm	13500 rpm	—	—
	<b>max. RCF</b>	—	16298 xg	16298 xg	—	—
<b>Accessories</b>						
<b>Order No.</b>	<b>Description</b>	<b>Vol./Tube</b>	<b>Tube Diameter</b>	<b>Tube type</b>	<b>No.of tubes/rotor</b>	
Without Adapter	Rotor, Angle, 64x0.5 ml, ID	0.5 ml	8 mm	Micro tube	64	

	<b>Order No.</b>	<b>30314841</b>	<b>Description</b>	<b>Rotor, Angle, 4x8-w PCR Strip, ID</b>		
	<b>Compatible to</b>	<b>FC5714</b>	<b>FC5718</b>	<b>FC5718R</b>	<b>FC5816</b>	<b>FC5816R</b>
	<b>max. speed</b>	—	15000 rpm	15000 rpm	—	—
	<b>max. RCF</b>	—	15343 xg	15343 xg	—	—
<b>Accessories</b>						
<b>Order No.</b>	<b>Description</b>	<b>Vol./Tube</b>	<b>Tube Diameter</b>	<b>Tube type</b>	<b>No.of tubes/rotor</b>	
Without Adapter	Rotor, Angle, 4x8-w PCR Strip, ID	8-w PCR Strip	—	—	32	



# FRONTIER™ 5000

Rotor Guide



## *Offering Flexibility to Maximize Sample Preparation*

- Choose from a range of rotors to be used with Frontier centrifuges to match capacities and flexibility required for your basic to high-performance sample preparation needs
- Designed with usability in mind, the Frontier rotors can be effortlessly installed or removed in a few quick and simple steps, and users have easy access to the samples
- The sturdy rotors are constructed of high-quality materials, built to last through demanding workflows from autoclave sterilization to sub-zero temperature
- OHAUS Frontier centrifuges are reliable, versatile and ideal for numerous laboratory applications
- Features include small to medium capacity, various speed ranges and non-refrigerated or refrigerated options to suit all requirements

*Ingeniously Practical*

# Frontier™ 5000 Series

## Powerful and Versatile Centrifuges for Virtually Every Lab Application

- The intuitive design of the centrifuges & accessories enable easy access to parameter settings, and quick rotation between applications.
- Our multi-purpose centrifuges offer a high-speed centrifuge platform which can be customized to fit workflow needs using a wide variety of rotors and accessories.
- The performance of these centrifuges is propelled by German engineering, and high-quality components for reliable use.










Model	Item No.	Voltage	Speed Range	Temp. Range	Max. g-force	Max. Capacity	Product Dimensions/Weight	Shipping Dimensions/Weight
FC5706	30130875	230V	200 - 6,000 rpm	Air Cooled	4,427 xg	6 x 50 ml	390 x 290 x 260 mm/10 kg	540 x 400 x 380 mm/14 kg
FC5707*	30393189	100-230V	200 - 6,800 rpm	Air Cooled	4,445 xg	8 x 15 ml	277 x 356 x 236 mm/10 kg	370 x 470 x 340 mm/11,5 kg
FC5513	30393187	230V	200 - 13,500 rpm	Air Cooled	17,317 xg	24 x 1.5/2.0 ml	277 x 356 x 236 mm/12,6 kg	370 x 470 x 340 mm/14,0 kg
	30370691*							
FC5515	30130866	230V	200 - 15,000 rpm	Air Cooled	21,953 xg	44 x 1.5/2.0 ml	390 x 280 x 290 mm/17 kg	540 x 400 x 380 mm/20 kg
FC5515R	30130868	230V	200 - 15,000 rpm	-20°C to 40°C	21,953 xg	44 x 1.5/2.0 ml	560 x 280 x 290 mm/35 kg	660 x 400 x 520 mm/44 kg
FC5714	30314810	230V	200 - 14,000 rpm	Air Cooled	18,624 xg	4 x 100 ml	490 x 360 x 330 mm/30 kg	580 x 490 x 280 mm/32,5 kg
FC5718	30314812	230V	200 - 18,000 rpm	Air Cooled	23,542 xg	4 x 100 ml	490 x 400 x 490 mm/43 kg	650 x 490 x 520 mm/53 kg
FC5718R	30314814	230V	200 - 18,000 rpm	-20°C to 40°C	23,542 xg	4 x 100 ml	730 x 400 x 350 mm/60 kg	840 x 640 x 590 mm/77 kg
FC5816	30314816	230V	200 - 15,000 rpm	Air Cooled	21,379 xg	6 x 250 ml	530 x 440 x 350 mm/52 kg	670 x 550 x 530 mm/56 kg
FC5816R	30314818	230V	200 - 16,000 rpm	-20°C to 40°C	24,325 xg	6 x 250 ml	530 x 720 x 350 mm/77 kg	840 x 640 x 590 mm/87 kg

\*Rotor Included

## Rotors for Frontier FC5706












<b>Angle Rotor 12 x 15 ml</b>	
Item No.	30130877
Rotor Capacity	12 x 15 ml
Rotor Type	Angle, 32°
Permissible Net Weight	300 g
Lowest Temperature	n/a

Accessory Specifications	n/a			
Accessory Item No.	n/a	30130886	30130889	30130890
Accessory Type	n/a	Adapter		
Max. RPM	6,000			
Max. RCF	4,427 x g	3,058 x g	4,265 x g	3,621 x g
Tube Specifications				
Tube Type	Round Bottom/Falcon	Micro Tube	Round bottom	
Tube volume	15 ml	1.5/2.0 ml	7 ml	5 ml
Tubes per Rotor	12			
Max. Tube Diameter (mm)	17	11	13.5	
Tube Height (mm)	121	42	95/115	62/90





<b>Angle Rotor 6 x 50 ml</b>	
Item No.	30130878
Rotor Capacity	6 x 50 ml
Rotor Type	Angle, 40°
Permissible Net Weight	432 g
Lowest Temperature	n/a

Accessory Specifications	n/a				
Accessory Item No.	n/a	30130891	30130892	30130893	30130894
Accessory Type	n/a	Adapter			
Max. RPM	6,000				
Max. RCF	4,427 x g	4,306 x g	4,145 x g	4,225 x g	4,185 x g
Tube Specifications					
Tube Type	Round Bottom/Falcon	Round Bottom			Round Bottom/Falcon
Tube Volume	50 ml	30 ml	16 ml	15 ml	
Tubes per Rotor	6				
Max. Tube Diameter (mm)	29	26	18	17	
Tube Height (mm)	116	100	100/105		120













Swing Out Rotor 6 × 5 ml	
Item No.	30130880
Rotor Capacity	6 x 5 ml
Rotor Type	Swing Out, 0-90°
Permissible Net Weight	240 g
Lowest Temperature	n/a

Accessory Specifications	
Accessory Item No.	30130895
Accessory Type	Bucket
Max. RPM	4,000
Max. RCF	1,878 x g
Tube Specifications	
Tube Type	Round Bottom
Tube volume	5 ml
Tubes per Rotor	6
Max. Tube Diameter (mm)	14
Tube Height (mm)	75
Item Number	Accessories
30130895	Buckets, For 30130880 x2

# Rotors for Frontier FC5707








Angle Rotor 8 x 15 ml	
Item No.	30472305
Rotor Capacity	8 x 15 ml
Rotor Type	Angle, 32°
Permissible Net Weight	200 g
Lowest Temperature	n/a

Accessory Specifications	n/a	n/a			
Accessory Item No.	n/a	n/a	30130886	30130889	30130890
Accessory Type	n/a	n/a	Adapter		
Max. RPM	6,800				
Max. RCF	4,445 x g		2,894 x g	4,290 x g	3,618 x g
Tube Specifications					
Tube Type	Round Bottom	Conical	Micro Tube	Round Bottom	
Tube Volume	15 ml		1.5/2.0 ml	7 ml	5 ml
Tubes per Rotor	8	4	8		
Max. Tube Diameter (mm)	17		11	13.5	
Tube Height (mm)	95/100	121	42	95/115	62/90

## Rotors for Frontier FC5513








<b>Angle Rotor 24 × 1.5/2.0 ml</b>	
Item No.	30472301
Rotor Capacity	24 × 1.5/2.0 ml
Rotor Type	Angle, 45°
Permissible Net Weight	82 g
Lowest Temperature	n/a

Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM	13,500		
Max. RCF	17,317 x g	n/a	2,716 x g
Tube Specifications			
Tube Type	Microtube		
Tube volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	24		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30




<b>Angle Rotor 24 × 1.5/2.0 ml Sealable</b>	
Item No.	30472302
Rotor Capacity	24 × 1.5/2.0 ml
Rotor Type	Angle, 45°
Permissible Net Weight	82 g
Lowest Temperature	n/a

Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM	13,500		
Max. RCF	17,317 x g	15,076 x g	16,706 x g
Tube Specifications			
Tube Type	Microtube		
Tube volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	24		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30



Angle Rotor 18 × 2.0 ml Spin Column	
Item No.	30472303
Rotor Capacity	18 × 2.0 ml
Rotor Type	Angle, 45°
Permissible Net Weight	68 g
Lowest Temperature	n/a

Tube Specifications
Tube Type
Tube volume
Tubes per Rotor
Max. Tube Diameter (mm)
Tube Height (mm)


Microtube
2 ml
18
11
40

\*No Adapters








Hematocrit Rotor 24 × Capillaries	
Item No.	30472304
Rotor Capacity	24 × Capillaries
Rotor Type	Hematocrit, 90°
Permissible Net Weight	4.8 g
Lowest Temperature	n/a

\*No Adapters

## Rotors for Frontier FC5515 and FC5515-R








<b>Angle Rotor 24 × 1.5/2.0 ml</b>	
Item No.	30130870
Rotor Capacity	24 x 1.5/2.0 ml
Rotor Type	Angle, 45°
Permissible Net Weight	82 g
Lowest Temperature	+5 °C

Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM	15,200		
Max. RCF	21,953 x g	19,145 x g	20,932 x g
Tube Specifications			
Tube Type	Microtube	Microtube	
Tube volume	1.5/2.0 ml	0.2 ml	0.5 ml
Tubes per Rotor	24		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30








<b>Angle Rotor 24 × 1.5/2.0 ml Sealable</b>	
Item No.	30130871
Rotor Capacity	24 x 1.5/2.0 ml
Rotor Type	Angle, 45°
Permissible Net Weight	82 g
Lowest Temperatures	+5 °C

Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM	15,200		
Max. RCF	21,953 x g	19,165 x g	20,932 x g
Tube Specifications			
Tube Type	Microtube	Microtube	
Tube volume	1.5/2.0 ml	0.2 ml	0.5 ml
Tubes per Rotor	24		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30












Angle Rotor 30 × 1.5/2.0 ml Sealable	
Item No.	30130872
Rotor Capacity	30 x 1.5/2.0 ml
Rotor Type	Angle, 45°
Permissible Net Weight	102 g
Lowest Temperatures	+6 °C

Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM	13,500		
Max. RCF	19,150 x g	16,933 x g	18,344 x g
Tube Specifications			
Tube Type	Microtube		
Tube volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	30		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30



Angle Rotor 12 × 5 ml Sealable	
Item No.	30130873
Rotor Capacity	12 x 5 ml
Rotor Type	Angle, 45°
Permissible Net Weight	165 g
Lowest Temperatures	+4 °C

Accessory Specifications	n/a			
Accessory Item No.	n/a	30130886	30130887	30130888
Accessory Type	n/a	Adapter		
Max. RPM	14,500			
Max. RCF	19,978 x g	16,452 x g	17,158 x g	17,628 x g
Tube Specifications				
Tube Type	Microtube		Cryo Tube	
Tube volume	5 ml	1.5/2.0 ml	1.0 ml	1.8 ml
Tubes per Rotor	12			
Max. Diameter (mm)	17	11	12.6	
Tube Height (mm)	60	42	41	48








Angle Rotor 4 x 8 Place PCR Stripes	
Item No.	30130874
Rotor Capacity	4 x 8 Place PCR Stripes
Rotor Type	Angle, 45°
Permissible Net Weight	14 g
Lowest Temperatures	+5 °C

\*No Adapters



Angle Rotor 44 x 1.5/2.0 ml	
Item No.	30130879
Rotor Capacity	44 x 1.5/2.0 ml
Rotor Type	Angle, 32°/55°
Permissible Net Weight	150 g
Lowest Temperatures	+6 °C


Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM	13,500		
Max. RCF	17,317 x g	15,668 x g	17,111 x g
Tube Specifications			
Tube Type	Microtube		
Tube volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	44		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30































Rotor, Angle, 24 x Capillaries	
Item No.	30130881
Rotor Capacity	24 x Capillaries
Rotor Type	Angle, 90°
Permissible Net Weight	4.8 g
Lowest Temperatures	n/a







\*No Adapters

# Rotors for Frontier FC5714

	Swing Out Rotor 4 x 100 ml	
	Item No.	30314822
	Rotor Capacity	4 x 100 ml
	Rotor Type	Swing Out, 0-90°
	Permissible Net Weight	4 x 340 g
Lowest Temperature	n/a	

Accessory Specifications	      						
Accessory Item No.	30314842	30314843	30314844	30314845	30314846	30314847	30314848
Accessory Type	Rack						
Max. RPM	4,500						
Max. RCF	3,192 x g		3,214 x g		3,192 x g	3,237 x g	3,124 x g
Tube Specifications	      						
Tube Type	Round Bottom				Falcon	Skirted Concial	
Tube volume	100 ml	85 ml	50 ml			30 ml	
Tubes per Rotor	4						
Max. Tube Diameter (mm)	46	38	34	29			25
Tube Height (mm)	90/108	92/118		90/108	116		95/105

Accessory Specifications	      						
Accessory Item No.	30314849	30314850	30314851	30314852	30314853	30314854	30314855
Accessory Type	Rack						
Max. RPM	4,500						
Max. RCF	3259	3350	3282		3214	2241	3169
Tube Specifications	      						
Tube Type	Round Bottom	Falcon	Skirted Concial	Round Bottom		Micro Tube	Flat Bottom
Tube volume	25 ml	15 ml			5-7 ml	1.5 ml	4.5 ml
Tubes per Rotor	4	8	4	28	36	40	36
Max. Tube Diameter (mm)	25	17			13	11	12
Tube Height (mm)	95/105	120		90/108	75/100	42	75/100

Accessory Specifications						
Accessory Item No.	30314856		30314857		30314858	
Accessory Type	Rack					
Max. RPM	4,500					
Max. RCF	2,626 x g		3,214 x g		3,237 x g	
Tube Specifications	  					
Tube Type	Round Bottom		Vacutainer		Sarstedt	
Tube volume	5-7 ml				4-10 ml	
Tubes per Rotor	28					
Max. Tube Diameter (mm)	13				16	
Tube Height (mm)	65/80		75/100			







Swing Out Rotor 4 x 100 ml Sealable	
Item No.	30314823
Rotor Capacity	4 x 100 ml
Rotor Type	Swing Out, 0-90°
Permissible Net Weight	4 x 465 g
Lowest Temperature	n/a

Accessory Specifications							
Accessory Item No.	30314860	30314861	30314862	30314863	30314864	30314865	30314866
Accessory Type	Bucket		Screw Cap	O-Ring	Rack		
Max. RPM	4,000						
Max. RCF	2,418 x g		N/A		2,350 x g	2,384 x g	
Tube Specifications							
Tube Type	Round Bottom						
Tube volume	100 ml					85 ml	50 ml
Tubes per Rotor	n/a				4		
Max. Tube Diameter (mm)	n/a				40	38	34
Tube Height (mm)	n/a				90/108		92/118


Accessories						
Items	Bucket, 100ml w/o Cap, 2/pk	Bucket, 100ml w/Cap, Sealable, 2/pk	Screw Cap, 100ml Bucket, Sealable, 2/pk	O-ring, 100ml Bucket, Sealable, 10/pk	N/A	




Accessory Specifications							
Accessory Item No.	30314867	30314868	30314869	30314870	30314871	30314872	30314873
Accessory Type	Rack						
Max. RPM	4,000						
Max. RCF	2,383 x g	2,400 x g	2,366 x g	2,230 x g	2,383 x g	2,400 x g	
Tube Specifications							
Tube Type	Round Bottom	Falcon	Skirted Conical		Round Bottom	Falcon	
Tube volume	50 ml			30 ml	25 ml	15 ml	
Tubes per Rotor	4					8	
Max. Tube Diameter (mm)	29			25		17	
Tube Height (mm)	90/113	116		95/105	95/110	120	

Accessory Specifications							
Accessory Item No.	30314874	30314875	30314876	30314877	30314878	30314879	30314880
Accessory Type	Rack						
Max. RPM	4,000						
Max. RCF	2,383 x g						
Tube Specifications							
Tube Type	Skirted Conical	Round Bottom		Micro Tube	Sarstedt	Round Bottom	Vacutainer
Tube volume	15 ml		5-7 ml	1.5 ml	10 ml	5-7 ml	10 ml
Tubes per Rotor	8	16	28	20	12	16	
Max. Tube Diameter (mm)	17		13	11	17	13	17
Tube Height (mm)	120	90/108	75/100	42	85/100	75/100	75/101

Accessory Specifications		
Accessory Item No.	30314881	30314882
Accessory Type	Bucket	
Max. RPM	4,000	
Max. RCF	2,486 x g	
Tube Specifications		
Tube Type	Falcon	
Tube volume	50 ml	15 ml
Tubes per Rotor	8	12
Max. Tube Diameter (mm)	29	17
Tube Height (mm)	116	120

Accessories	
Items	Bucket, 3x15ml D17mm FA, w/Rack, 2/pk

	Swing Out Rotor 2 x 3 MTP w/bucket	
	Item No.	30314824
	Rotor Capacity	2 x 3 MTP
	Rotor Type	Swing Out, 0-90°
	Permissible Net Weight	2 x 310 g
	Lowest Temperature	n/a

Accessory Specifications		
Accessory Item No.	30314890	30314891
Accessory Type	Bucket	Adapter
Max. RPM	4,500	
Max. RCF	2,716 x g	
Tube Specifications	n/a	
Tube Type	Microplate	Microtube
Tube volume	MTP	1.5/2.0 ml
Tubes per Rotor	6 Standard Microplates or 2 Deepwell Plates	96
Max. Tube Diameter (mm)	87 x 128	11
Tube Height (mm)	51	42

Accessories	
Items	Bucket, 3xMTP, 2/pk



Angle Rotor 6 x 50 ml	
Item No.	30314830
Rotor Capacity	6 x 50 ml
Rotor Type	Angle, 40°
Permissible Net Weight	6 x 72 g
Lowest Temperature	n/a

Accessory Specifications	n/a							
Accessory Item No.	n/a	30130886	30130889	30130890	30130891	30130892	30130893	30130894
Accessory Type	n/a	Adapter						
Max. RPM	6,000							
Max. RCF	4,427 x g	2,696 x g	4,105 x g	3,340 x g	4,306 x g	4,145 x g	4,266 x g	
Tube Specifications								
Tube Type	Round Bottom/Falcon	Micro Tube	Round Bottom				Round Bottom/Falcon	
Tube volume	50 ml	1.5/2.0 ml	7 ml	5 ml	30 ml	16 ml	15 ml	
Tubes per Rotor	6							
Max. Tube Diameter (mm)	29	11	13.5		26	18	17	
Tube Height (mm)	116	42	100	65/75	100	100/105		120



Angle Rotor 30 x 15 ml	
Item No.	30314832
Rotor Capacity	30 x 15 ml
Rotor Type	Angle, 35°
Permissible Net Weight	30 x 32 g
Lowest Temperature	n/a

Accessory Specifications	n/a			
Accessory Item No.	n/a	30130886	30130889	30130890
Accessory Type	n/a	Adapter		
Max. RPM	4,500			
Max. RCF	2,830 x g	2,038 x g	2,762 x g	2,377 x g
Tube Specifications				
Tube Type	Round Bottom/Falcon	Micro Tube	Round Bottom	
Tube Volume	15 ml	1.5/2.0 ml	7 ml	5 ml
Tubes per Rotor	30			
Max. Tube Diameter (mm)	17	11	13.5	
Tube Height (mm)	95/115	42	100	65/75



Angle Rotor 12 x 15 ml	
Item No.	3014834
Rotor Capacity	12 x 15 ml
Rotor Type	Angle, 32°
Permissible Net Weight	12 x 25 g
Lowest Temperature	n/a

Accessory Specifications	n/a			
Accessory Item No.	n/a	30130886	30130889	30130890
Accessory Type	n/a	Adapter		
Max. RPM	6,000			
Max. RCF	4,427 x g	3,059 x g	4,266 x g	3,662 x g
Tube Specifications				
Tube Type	Round Bottom/Falcon	Micro Tube	Round Bottom	
Tube Volume	15 ml	1.5/2.0 ml	7 ml	5 ml
Tubes per Rotor	12			
Max. Tube Diameter (mm)	17	11	13.5	
Tube Height (mm)	121	42	100	65/75








Angle Rotor 30 x 1.5/2.0 ml Sealable	
Item No.	3014836
Rotor Capacity	30 x 1.5/2.0 ml
Rotor Type	Angle, 45°
Permissible Net Weight	30 x 3.4 g
Lowest Temperature	n/a

Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM	12,000		
Max. RCF	15,131 x g	13,521 x g	14,648 x g
Tube Specifications			
Tube Type	Microtube		
Tube volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	30		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30








Angle Rotor 24 x 1.5/2.0 ml	
Item No.	30314838
Rotor Capacity	24 x 1.5/2.0 ml
Rotor Type	Angle, 45°
Permissible Net Weight	24 x 3.4 g
Lowest Temperature	n/a

Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM	14,000		
Max. RCF	18,624 x g	16,433 x g	17,967 x g
Tube Specifications			
Tube Type	Microtube		
Tube volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	24		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30









Angle Rotor 24 x 1.5/2.0 ml Sealable	
Item No.	30304361
Rotor Capacity	24 x 1.5/2.0 ml
Rotor Type	Angle, 45°
Permissible Net Weight	24 x 3.4 g
Lowest Temperature	n/a


Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM	14,000		
Max. RCF	18,624 x g	16,433 x g	17,967 x g
Tube Specifications			
Tube Type	Microtube		
Tube volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	24		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30































## Rotors for Frontier FC5718 and FC5718R







	Angle Rotor 24 × 1.5/2.0 ml Sealable	
	Item No.	30304361
	Rotor Capacity	24 x 1.5/2.0 ml
	Rotor Type	Angle, 45°
	Permissible Net Weight	24 x 3.4 g
	Lowest Temperatures	6 °C


Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM (FC5718/FC5718R approved)	14,000/15,000		
Max. RCF	18,624/21,379 x g	16,433/18,863 x g	17,967/20,624 x g
Tube Specifications			
Tube Type	Micro Tube		
Tube volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	24		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30











	Swing Out Rotor 4 × 100 ml	
	Item No.	30314822
	Rotor Capacity	4 x 100 ml
	Rotor Type	Swing Out, 0-90°
	Permissible Net Weight	4 x 340 g
	Lowest Temperatures	-7 °C

Accessory Specifications							
Accessory Item No.	30314842	30314843	30314844	30314845	30314846	30314847	30314848
Accessory Type	Rack						
Max. RPM	4,500						
Max. RCF	3,192 x g		3,214 x g		3,192 x g	3,237 x g	3,213 x g
Tube Specifications							
Tube Type	Round Bottom				Falcon	Skirted Conical	
Tube volume	100 ml	85 ml	50 ml				30 ml
Tubes per Rotor	4						
Max. Tube Diameter (mm)	46	38	34	29		25	
Tube Height (mm)	90/108	92/118		90/118	116		95/105















Accessory Specifications							
Accessory Item No.	30314849	30314850	30314851	30314852	30314853	30314854	30314855
Accessory Type	Rack						
Max. RPM	4,500						
Max. RCF	3,259 x g	3,350 x g	3,282 x g		3,214 x g	2,241 x g	3,169 x g
Tube Specifications							
Tube Type	Round Bottom	Falcon	Skirted Conical	Round Bottom		Micro Tube	Flat Bottom
Tube volume	25 ml	15 ml			5-7 ml	1.5 ml	4.5 ml
Tubes per Rotor	4	8	4	28	36	40	36
Max. Tube Diameter (mm)	17		13		11	12	13
Tube Height (mm)	95/105	120		90/108	75/100	42	75/100















Accessory Specifications			
Accessory Item No.	30314856	30314857	30314858
Accessory Type	Rack		
Max. RPM	4,500		
Max. RCF	2,626 x g	3,214 x g	3,237 x g
Tube Specifications			
Tube Type	Round Bottom	Vacutainer	Sarstedt
Tube Volume	5-7 ml		4-10 ml
Tubes per Rotor	28		20
Max. Tube Diameter (mm)	13		16
Tube Height (mm)	65/80	75/100	





	Swing Out Rotor 4 x 100 ml Sealable	
	Item No.	30314823
	Rotor Capacity	4 x 100 ml
	Rotor Type	Swing Out, 0-90°
	Permissible Net Weight	4 x 465 g
	Lowest Temperatures	-3 °C

Accessory Specifications							
Accessory Item No.	30314860	30314861	30314862	30314863	30314864	30314865	30314866
Accessory Type	Bucket		Screw Cap	O-Ring	Rack		
Max. RPM	5,000/5,000						
Max. RCF	3,779 x g	n/a			3,672 x g	3,725 x g	
Tube Specifications					n/a		
Tube Type	Round Bottom						
Tube volume	100 ml				n/a	85 ml	50 ml
Tubes per Rotor	4						
Max. Tube Diameter (mm)	n/a				40	38	34
Tube Height (mm)	n/a				90/108		92/118


Accessories						
Items	Bucket, 100ml w/o Cap, 2/pk	Bucket, 100ml w/Cap, Sealable, 2/pk	Screw Cap, 100ml Bucket, Sealable, 2/pk	O-ring, 100ml Bucket, Sealable, 10/pk	n/a	




Accessory Specifications							
Accessory Item No.	30314867	30314868	30314869	30314870	30314871	30314872	30314873
Accessory Type	Rack						
Max. RPM	5,000/5,000						
Max. RCF	3,725 x g	3,751 x g	3,699 x g	3,486 x g	3,725 x g	3,752 x g	
Tube Specifications							
Tube Type	Round Bottom	Falcon	Skirted Conical		Round Bottom	Falcon	
Tube volume	50 ml			30 ml	25 ml	15 ml	
Tubes per Rotor	4					120	
Max. Tube Diameter (mm)	29			25		17	
Tube Height (mm)	90/113	116		95/105	95/110	120	

Accessory Specifications							
Accessory Item No.	30314874	30314875	30314876	30314877	30314878	30314879	30314880
Accessory Type	Rack						
Max. RPM	5,000/5,000						
Max. RCF	3,725 x g						
Tube Specifications							
Tube Type	Skirted Conical	Round Bottom		Micro Tube	Sarstedt	Round Bottom	Vacutainer
Tube volume	15 ml		5-7 ml	1.5 ml	10 ml	5-7 ml	10 ml
Tubes per Rotor	8	16	28	20	12	16	
Max. Tube Diameter (mm)	17		13	11	17	13	17
Tube Height (mm)	120	90/108	75/100	42	85/100	75/100	


Accessory Specifications		
Accessory Item No.	30314881	30314882
Accessory Type	Bucket	
Max. RPM	5,000/5,000	
Max. RCF	3,885 x g	
Tube Specifications		
Tube Type	Falcon	
Tube volume	50 ml	15 ml
Tubes per Rotor	8	12
Max. Tube Diameter (mm)	29	17
Tube Height (mm)	116	120
















Accessories	
Items	Bucket, 2x50ml D29mm FA, w/Rack, 2/pk      Bucket, 3x15ml D17mm FA, w/Rack, 2/pk

	Swing Out Rotor 2 x 3 MTP w/bucket	
	Item No.	30314824
	Rotor Capacity	2 x 3 MTP
	Rotor Type	Swing Out, 0-90°
	Permissible Net Weight	2 x 310 g
	Lowest Temperatures	-6 °C

Accessory Specifications		
Accessory Item No.	30314890	30314891
Accessory Type	Bucket	Adapter
Max. RPM	4,500	
Max. RCF	2,716 x g	
Tube Specifications	n/a	
Tube Type	Microplate	Microtube
Tube volume	MTP	1.5/2.0 ml
Tubes per Rotor	6 Standard Microplates or 2 Deepwell Plates	96
Max. Tube Diameter (mm)	87 x 128	11
Tube Height (mm)	51	42

Accessories		
Items	Bucket, 3xMTP, 2/pk	N/A

	Angle Rotor 6 x 85 ml	
	Item No.	30314825
	Rotor Capacity	6 x 85 ml
	Rotor Type	Angle, 25°
	Permissible Net Weight	6 x 140 g
	Lowest Temperatures	17 °C

Accessory Specifications	n/a							
Accessory Item No.	n/a	30314893	30314894	30314895	30314896	30314897	30314898	30314899
Accessory Type	n/a	Adapter						
Max. RPM (FC5718/FC5718R approved)	11,000/13,500							
Max. RCF	13,932/20,984 x g	12,985/19,557 x g		13,526/20,372 x g		12,579/18,946 x g	13,932/20,984 x g	12,850/19,354 x g
Tube Specifications								
Tube Type	Round Bottom			Falcon		Round Bottom		
Tube volume	85 ml	15 ml	30 ml	50 ml		15 ml	16 ml	
Tubes per Rotor	6						12	6
Max. Tube Diameter (mm)	38	17	25	29		17		18
Tube Height (mm)	113	103/110	90/103	105	118	120	95/100	103/110



Angle Rotor 6 x 85 ml	
Item No.	30314826
Rotor Capacity	6 x 85 ml
Rotor Type	Angle, 38°
Permissible Net Weight	6 x 140 g
Lowest Temperatures	-5 °C

Accessory Specifications	n/a							
Accessory Item No.	n/a	30314893	30314894	30314895	30314896	30314897	30314898	30314899
Accessory Type	n/a	Adapter						
Max. RPM (FC5718/FC5718R approved)	9,000/9,000							
Max. RCF	10,413 x g	9,598 x g	9,417 x g	9,870 x g	9,598 x g	9,417 x g	10,051 x g	9,417 x g
Tube Specifications								
Tube Type	Round Bottom			Falcon			Round Bottom	
Tube volume	85 ml	15 ml	30 ml	50 ml		15 ml		16 ml
Tubes per Rotor	6						12	6
Max. Tube Diameter (mm)	38	17	25	29		17		18
Tube Height (mm)	113	103/110	90/103	105	118	120	95/100	103/110



Angle Rotor 4 x 85 ml	
Item No.	30314827
Rotor Capacity	4 x 85 ml
Rotor Type	Angle, 30°
Permissible Net Weight	4 x 140 g
Lowest Temperatures	5 °C

Accessory Specifications	n/a							
Accessory Item No.	n/a	30314893	30314894	30314895	30314896	30314897	30314898	30314899
Accessory Type	n/a	Adapter						
Max. RPM (FC5718/FC5718R approved)	12,000/12,000							
Max. RCF	14,809 x g	13,682 x g	13,521 x g	14,326 x g	13,843 x g	13,360 x g	12,073 x g	13,360 x g
Tube Specifications								
Tube Type	Round Bottom			Falcon			Round Bottom	
Tube volume	85 ml	15 ml	30 ml	50 ml		15 ml		16 ml
Tubes per Rotor	4						12	6
Max. Tube Diameter (mm)	38	17	25	29		17		18
Tube Height (mm)	113	103/110	90/103	105	118	120	95/100	103/110



Angle Rotor 10 x 50 ml	
Item No.	30314829
Rotor Capacity	10 x 50 ml
Rotor Type	Angle, 38°
Permissible Net Weight	10 x 74 g
Lowest Temperatures	9 °C

Accessory Specifications	n/a					
Accessory Item No.	n/a	30130886	30130889	30130890	30472300	30472307
Accessory Type	n/a	Adapter				
Max. RPM (FC5718/FC5718R approved)	7,500/7,500					
Max. RCF	8,174 x g	5,596 x g	7,671 x g	6,539 x g	7,860 x g	8,048 x g
Tube Specifications						
Tube Type	Falcon	Micro Tube	Round Bottom		Round bottom	Conical
Tube Volume	50 ml	1.5/2.0 ml	7 ml	5 ml	15 ml	
Tubes per Rotor	10					
Max. Tube Diameter (mm)	29	11	13.5		17	
Tube Height (mm)	118	42	100	100	97-123	120



Angle Rotor 6 x 50 ml	
Item No.	30314830
Rotor Capacity	6 x 50 ml
Rotor Type	Angle, 40°
Permissible Net Weight	6 x 72 g
Lowest Temperatures	-8 °C

Accessory Specifications	n/a							
Accessory Item No.	n/a	30130886	30130891	30130890	30130891	30130892	30130893	30130892
Accessory Type	n/a	Adapter						
Max. RPM (FC5718/FC5718R approved)	6,000/6,000							
Max. RCF	4,427 x g	2,696 x g	4,105 x g	3,340 x g	4,306 x g	4,145 x g	4,266 x g	
Tube Specifications								
Tube Type	Round Bottom/Falcon	Micro Tube	Round Bottom					
Tube volume	50 ml	15 ml	30 ml	50 ml		15 ml		16 ml
Tubes per Rotor	6						6	6
Max. Tube Diameter (mm)	29	11	13.5		26	17	18	
Tube Height (mm)	116	42	26	65/75	100	100/105		120



Angle Rotor 6 x 50 ml	
Item No.	30314831
Rotor Capacity	6 x 50 ml
Rotor Type	Angle, 26°
Permissible Net Weight	6 x 94 g
Lowest Temperatures	-5 °C

Accessory Specifications	n/a				
Accessory Item No.	n/a	30130891	30130892	30130893	30314892
Accessory Type	n/a	Adapter			
Max. RPM (FC5718/FC5718R approved)	12,000/12,000				
Max. RCF	13,522 x g	13,200 x g	12,717 x g	12,878 x g	12,395 x g
Tube Specifications					
Tube Type	Round Bottom				Falcon
Tube Volume	50 ml	30 ml	16 ml	15 ml	
Tubes per Rotor	6				
Max. Tube Diameter (mm)	29	26	18	17	17.5
Tube Height (mm)	95/115	100	100/105		116/125



Angle Rotor 30 x 15 ml	
Item No.	30314832
Rotor Capacity	30 x 15 ml
Rotor Type	Angle, 35°
Permissible Net Weight	30 x 32 g
Lowest Temperatures	-9 °C

Accessory Specifications	n/a			
Accessory Item No.	n/a	30130886	30130889	30130890
Accessory Type	n/a	Adapter		
Max. RPM (FC5718/FC5718R approved)	4,500/4,500			
Max. RCF	2,830 x g	2,038 x g	2,762 x g	2,377 x g
Tube Specifications				
Tube Type	Round Bottom/Falcon	Micro Tube	Round Bottom	
Tube Volume	15 ml	1.5/2.0 ml	7 ml	5 ml
Tubes per Rotor	30			
Max. Tube Diameter (mm)	17	11	13.5	
Tube Height (mm)	95/115	42	100	65/75










Angle Rotor 20 x 10 ml	
Item No.	30314833
Rotor Capacity	20 x 10 ml
Rotor Type	Angle, 30°
Permissible Net Weight	20 x 18 g
Lowest Temperatures	2 °C

\*No Adapters








Angle Rotor 12 × 15 ml	
Item No.	30314834
Rotor Capacity	12 x 15 ml
Rotor Type	Angle, 32°
Permissible Net Weight	12 x 25 g
Lowest Temperatures	-11.5 °C

Accessory Specifications	n/a			
Accessory Item No.	n/a	30130886	30130889	30130890
Accessory Type	n/a	Adapter		
Max. RPM (FC5718/FC5718R approved)	6,000/6,000			
Max. RCF	4,427 x g	3,059 x g	4,266 x g	3,662 x g
Tube Specifications				
Tube Type	Round Bottom/Falcon	Micro Tube	Round Bottom	
Tube Volume	15 ml	1.5/2.0 ml	7 ml	5 ml
Tubes per Rotor	12			
Max. Tube Diameter (mm)	17	11	13.5	
Tube Height (mm)	121	42	100	65/75








Angle Rotor 44 × 1.5/2.0 ml	
Item No.	30314835
Rotor Capacity	44 x 1.5/2.0 ml
Rotor Type	Angle, 32°/55°
Permissible Net Weight	44 x 3.8 g
Lowest Temperatures	1 °C

Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM (FC5718/FC5718R approved)	13,500/13,500		
Max. RCF	17,113 x g	15,687 x g	16,706 x g
Tube Specifications			
Tube Type	Micro Tube		
Tube volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	44		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30










Angle Rotor 30 × 1.5/2.0 ml Sealable	
Item No.	30314836
Rotor Capacity	30 x 1.5/2.0 ml
Rotor Type	Angle, 45°
Permissible Net Weight	30 x 3.4 g
Lowest Temperatures	9 °C

Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM (FC5718/FC5718R approved)	13,000/14,000		
Max. RCF	17,758/20,595 x g	17,191/19,937 x g	15,869/18,404 x g
Tube Specifications			
Tube Type	Micro Tube		
Tube volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	30		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30










Angle Rotor 24 × 1.5/2.0 ml	
Item No.	30314838
Rotor Capacity	24 x 1.5/2.0 ml
Rotor Type	Angle, 45°
Permissible Net Weight	24 x 3.4 g
Lowest Temperatures	6 °C

Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM (FC5718/FC5718R approved)	14,000/15,000		
Max. RCF	18,624/21,379 x g	16,433/18,863 x g	17,967/20,624 x g
Tube Specifications			
Tube Type	Micro Tube		
Tube volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	24		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30



Angle Rotor 12 x 1.5/2.0 ml	
Item No.	30314839
Rotor Capacity	12 x 1.5/2.0 ml
Rotor Type	Angle, 40°
Permissible Net Weight	12 x 3.4 g
Lowest Temperatures	-2 °C

Accessory Specifications	n/a			
Accessory Item No.	n/a	30314900	30130885	30130884
Accessory Type	n/a	Adapter		
Max. RPM (FC5718/FC5718R approved)	18,000			
Max. RCF	23,542 x g	23,180 x g	20,282 x g	22,818 x g
Tube Specifications				 
Tube Type	Microtube			
Tube Volume	2 ml	1.5 ml	0.5 ml	0.2/0.4 ml
Tubes per Rotor	12			
Max. Tube Diameter (mm)	11	11	8	6
Tube Height (mm)	40	42	30	20



Angle Rotor 64 x 0.5 ml	
Item No.	30314840
Rotor Capacity	64 x 0.5 ml
Rotor Type	Angle, 40°
Permissible Net Weight	64 x 2.3 g
Lowest Temperatures	2 °C


\*No Adapters









Angle Rotor 4 x 8-w PCR Strip	
Item No.	30314841
Rotor Capacity	4 x 8-w PCR Strip
Rotor Type	Angle, 45°
Permissible Net Weight	4 x 3.5 g
Lowest Temperatures	-1 °C













\*No Adapters

## Rotors for Frontier FC5816 and FC5816R















	Angle Rotor 24 × 1.5/2.0 ml Sealable	
	Item No.	30304361
	Rotor Capacity	24 x 1.5/2.0 ml
	Rotor Type	Angle, 45°
	Permissible Net Weight	24 x 3.4 g
Lowest Temperatures	3°C	











Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM (FC5718/FC5718R approved)	15,000/16,000		
Max. RCF	21,379/24,325 x g	18,864/21,463 x g	20,624/23,466 x g
Tube Specifications			
Tube Type	Micro Tube		
Tube volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	24		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30

	Swing Out Rotor 4 × 250 ml	
	Item No.	30314820
	Rotor Capacity	4 x 250 ml
	Rotor Type	Swing Out, 0-90°
	Permissible Net Weight	4 x 536 g
Lowest Temperatures	-2°C	

Accessory Specifications							
Accessory Item No.	30314901	30314902	30304367	30304368	30314903	30314904	30314905
Accessory Type	Screw Cap	O-Ring	Rack	Adapter	Rack		
Max. RPM (FC5816/FC5816R approved)	4,500/4,500						
Max. RCF	n/a	3,689 x g	3,554 x g	3,599 x g	3,689 x g		
Tube Specifications	n/a						
Tube Type	n/a	Vacutainer	Micro Tube	Flat Bottom	Round Bottom		
Tube volume	n/a	4-10 ml	1.5/2.0 ml	250 ml	100 ml	50 ml	
Tubes per Rotor	n/a	32	36	4		12	
Max. Tube Diameter (mm)	n/a	16	11	62	41	29	
Tube Height (mm)	n/a	75/100	42	110/130	95/120		

Accessories			
<b>Items</b>	Screw Cap, Rack of 250ml Rotor, 2/pk	O-ring, Rack of 250ml Rotor, 10/pk	n/a


Accessory Specifications							
Accessory Item No.	30314906	30314907	30314908	30314909	30314910	30314911	30314912
Accessory Type	Rack						
Max. RPM (FC5816/FC5816R approved)	4,500/4,500						
Max. RCF	3,780 x g	3,576 x g		3,644 x g		3,508 x g	3,689 x g
Tube Specifications							
Tube Type	Falcon	Round Bottom	Skirted Conical		Round Bottom	Skirted Conical	Round Bottom
Tube volume	50 ml				25 ml		15 ml
Tubes per Rotor	12	4	8	4	20	12	36
Max. Tube Diameter (mm)	29	34	29		24.5		17
Tube Height (mm)	100/120			116	100/120	85/100	76/115




Accessory Specifications					
Accessory Item No.	30314913	30314914	30314915	30314916	30314917
Accessory Type	Rack				
Max. RPM (FC5816/FC5816R approved)	4,500/4,500				
Max. RCF	3,712 x g	3,644 x g	3,689 x g	3,599 x g	
Tube Specifications					
Tube Type	Falcon	Skirted Conical	Round Bottom		Vacutainer
Tube Volume	15 ml		10 ml	5-7 ml	1.6-7 ml
Tubes per Rotor	28		32	56	40
Max. Tube Diameter (mm)	17		16	13	
Tube Height (mm)	95/120	100/120	80/100	65/120	75/120




Angle Rotor 6 x 250 ml	
Item No.	30314821
Rotor Capacity	6 x 250 ml
Rotor Type	Angle, 28°
Permissible Net Weight	6 x 355 g
Lowest Temperatures	3°C
















Accessory Specifications	n/a						
Accessory Item No.	n/a	30304369	30304370	30304371	30304372	30304373	30304374
Accessory Type	n/a	Adapter					
Max. RPM (FC5816/FC5816R approved)	8,000/8,000						
Max. RCF	10,016 x g	9,444 x g	9,515 x g	9,301 x g	8,943 x g	8,585 x g	8,371 x g
Tube Specifications							
Tube Type	Flat Bottom	Micro Tube	Round Bottom	Falcon	Round Bottom		Falcon
Tube volume	250 ml	1.5/2.0 ml	10 ml	15 ml	30 ml	50 ml	
Tubes per Rotor	6	48	30	24	12	6	
Max. Tube Diameter (mm)	62	11	16	17	26	29	30
Tube Height (mm)	-	42	80	120	92	103	118

	Swing Out Rotor 2 x 3 MTP w/bucket	
	Item No.	30314824
	Rotor Capacity	2 x 3 MTP
	Rotor Type	Swing Out, 0-90°
	Permissible Net Weight	2 x 310 g
	Lowest Temperatures	-3°C

Accessory Specifications		
Accessory Item No.	30314890	30314891
Accessory Type	Bucket	Adapter
Max. RPM	4,500	
Max. RCF	2,716 x g	
Tube Specifications	n/a	
Tube Type	Microplate	Microtube
Tube volume	MTP	1.5/2.0 ml
Tubes per Rotor	6 Standard Microplates or 2 Deepwell Plates	96
Max. Tube Diameter (mm)	87 x 128	11
Tube Height (mm)	51	42

Accessories	
Items	Bucket, 3x15ml D17mm FA, w/Rack, 2/pk

	Angle Rotor 6 x 85 ml	
	Item No.	30314826
	Rotor Capacity	6 x 85 ml
	Rotor Type	Angle, 38°
	Permissible Net Weight	6 x 140 g
	Lowest Temperatures	15°C

Accessory Specifications	n/a							
Accessory Item No.	n/a	30314893	30314894	30314895	30314896	30314897	30314898	30314899
Accessory Type	n/a	Adapter						
Max. RPM (FC5816/FC5816R approved)	11,000/13,000							
Max. RCF	15,555/21,762 x g	14,338/20,025 x g	14,067/19,647 x g	14,743/20,592 x g	14,338/20,025 x g	14,067/19,647 x g	15,014/20,970 x g	14,067/19,647 x g
Tube Specifications								
Tube Type	Round Bottom				Falcon	Round Bottom		
Tube volume	85 ml	15 ml	30 ml	50 ml		15 ml		16 ml
Tubes per Rotor	6						12	6
Max. Tube Diameter (mm)	38	17	25	29		17		18
Tube Height (mm)	113	103/110	90/103	105	118	120	95/100	103/110



Angle Rotor 4 x 85 ml	
Item No.	30314827
Rotor Capacity	4 x 85 ml
Rotor Type	Angle, 30°
Permissible Net Weight	4 x 140 g
Lowest Temperatures	5°C

Accessory Specifications	n/a								
Accessory Item No.	n/a	30314893	30314894	30314895	30314896	30314897	30314898	30314899	
Accessory Type	n/a	Adapter							
Max. RPM (FC5816/FC5816R approved)	12,000								
Max. RCF	14,809 x g	13,682 x g	13,521 x g	14,326 x g	13,843 x g	13,360 x g	12,073 x g	13,360 x g	
Tube Specifications									
Tube Type	Round Bottom				Falcon		Round Bottom		
Tube volume	85 ml	15 ml	30 ml	50 ml		15 ml		16 ml	
Tubes per Rotor	4						8		4
Max. Tube Diameter (mm)	38	17	25	29		17		18	
Tube Height (mm)	113	103/110	90/103	105	118	120	95/100	103/110	



Swing Out Rotor 16 x 50 ml	
Item No.	30314828
Rotor Capacity	16 x 50 ml
Rotor Type	Swing Out, 0-90°
Permissible Net Weight	4 x 557 g
Lowest Temperatures	2°C

Accessory Specifications				
Accessory Item No.	30304375	30314583	30314584	30314585
Accessory Type	Rack			
Max. RPM (FC5816/FC5816R approved)	4,500/4,500			
Max. RCF	3,735 x g		3,599 x g	3,531 x g
Tube Specifications				
Tube Type	Falcon		Vacutainer/Sarstedt	
Tube Volume	50 ml	15 ml	5-7 ml	4-10 ml
Tubes per Rotor	16	40	56	48
Max. Tube Diameter (mm)	29	17	13	16
Tube Height (mm)	116	120	75/100	



Angle Rotor 10 x 50 ml	
Item No.	30314829
Rotor Capacity	10 x 50 ml
Rotor Type	Angle, 38°
Permissible Net Weight	10 x 74 g
Lowest Temperatures	9°C

Accessory Specifications	n/a					
Accessory Item No.	n/a	30130886	30130889	30130890	30472300	30472307
Accessory Type	n/a	Adapter				
Max. RPM (FC5816/FC5816R approved)	9,000/10,500					
Max. RCF	11,771/16,022 x g	8,059 x g	11,047 x g	9,417 x g	11,318/15,406 x g	11,590/15,776 x g
Tube Specifications						
Tube Type	Falcon	Micro Tube	Round Bottom		Round bottom	Conical
Tube Volume	50 ml	1.5/2.0 ml	7 ml	5 ml	15 ml	
Tubes per Rotor	10					
Max. Tube Diameter (mm)	29	11	13.5		17	
Tube Height (mm)	118	42	100	65/75	97-123	120

Accessory Specifications				
Accessory Item No.	30130891	30130892	30130893	30314892
Accessory Type	Adapter			
Max. RPM	13,000/13,000			
Max. RCF	15,491 x g	14,924 x g	15,113 x g	14,547 x g
Tube Specifications				
Tube Type	Round Bottom			Falcon
Tube Volume	30 ml	16 ml	15 ml	
Tubes per Rotor				
Max. Tube Diameter (mm)	26	18	17	17.5
Tube Height (mm)	100	100/105		116/125



Angle Rotor 6 x 50 ml	
Item No.	30314831
Rotor Capacity	6 x 50 ml
Rotor Type	Angle, 26°
Permissible Net Weight	6 x 94 g
Lowest Temperatures	-5 °C

Accessory Specifications	n/a				
Accessory Item No.	n/a	30130891	30130892	30130893	30314892
Accessory Type	n/a	Adapter			
Max. RPM (FC5718/FC5718R approved)	12,000/12,000				
Max. RCF	15,869 x g	14,924 x g	12,717 x g	15,113 x g	14,546 x g
Tube Specifications					
Tube Type	Round Bottom				Falcon
Tube Volume	50 ml	30 ml	16 ml	15 ml	
Tubes per Rotor	6				
Max. Tube Diameter (mm)	29	26	18	17	17.5
Tube Height (mm)	95/115	100	100/105		116/125



Angle Rotor 30 x 15 ml	
Item No.	30314832
Rotor Capacity	30 x 15 ml
Rotor Type	Angle, 35°
Permissible Net Weight	30 x 32 g
Lowest Temperatures	-12°C

Accessory Specifications	n/a			
Accessory Item No.	n/a	30130886	30130889	30130890
Accessory Type	n/a	Adapter		
Max. RPM (FC5718/FC5718R approved)	4,500/4,500			
Max. RCF	2,830 x g	2,038 x g	2,762 x g	2,377 x g
Tube Specifications				
Tube Type	Round Bottom/Falcon	Micro Tube	Round Bottom	
Tube Volume	15 ml	1.5/2.0 ml	7 ml	5 ml
Tubes per Rotor	30			
Max. Tube Diameter (mm)	17	11	13.5	
Tube Height (mm)	95/115	42	100	65/75








Angle Rotor 20 x 10 ml	
Item No.	30314833
Rotor Capacity	20 x 10 ml
Rotor Type	Angle, 30°
Permissible Net Weight	20 x 18 g
Lowest Temperatures	0°C

\*No Adapters










Angle Rotor 44 x 1.5/2.0 ml	
Item No.	30314835
Rotor Capacity	44 x 1.5/2.0 ml
Rotor Type	Angle, 30°/55°
Permissible Net Weight	44 x 3.8 g
Lowest Temperatures	8°C

Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM (FC5718/FC5718R approved)	15,000/16,000		
Max. RCF	21,128/24,039 x g	19,367/22,035 x g	20,625/23,467 x g
Tube Specifications			
Tube Type	Micro Tube		
Tube volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	44		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30



Angle Rotor 24 x 1.5/2.0 ml	
Item No.	30314838
Rotor Capacity	24 x 1.5/2.0 ml
Rotor Type	Angle, 45°
Permissible Net Weight	24 x 3.4 g
Lowest Temperatures	3°C

Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM (FC5718/FC5718R approved)	15,000/16,000		
Max. RCF	21,379/24,325 x g	18,864/21,463 x g	20,624/23,466 x g
Tube Specifications			
Tube Type	Micro Tube		
Tube volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	24		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	20	30



# WolfLabs

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

**[www.wolflabs.co.uk](http://www.wolflabs.co.uk)**

**Tel : 01759 301142**

**Fax : 01759 301143**

**[sales@wolflabs.co.uk](mailto:sales@wolflabs.co.uk)**

Please contact us if this literature doesn't answer all your questions.