Frontier™ 5000

Multi Pro Centrifuges

Powerful and Versatile Universal Centrifuges for Virtually Every Lab Application

Frontier 5000 Multi Pro Centrifuges are designed for universal use in research, industrial & clinical laboratories, and can be combined with our 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 and safety features - these multi-purpose centrifuges are a must for any lab.

Features:

- **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.

- **Solid Engineering Ensures Reliability and Durability**

  The performance of these centrifuges is propelled by German engineering, and high-quality components for reliable use.

- **Assured 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.

OHAUS EST. 1907 NEWARK ☆ NJ ☆ USA

Maximum Application Flexibility

Choose from five models from small to medium capacity, maximum speed range of 14,000 – 18,000 rpm and non-refrigerated/refrigerated options to suit your application. Ideal for spinning most tubes and bottles in the lab, including various 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 4x100ml
- 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 6x250ml
- Improved sample processing through-put with additional rotor for blood collectior 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 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.

- 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 activated upon rotor insertion
- Active imbalance-detection with individual imbalance tolerances set for each rotor
- Motorized lid-locking system to protect operators from accidental injuries (Mechanical locking for FC5714)
- Sealed and bio-containment rotors to safeguard operators from harmful aerosols

Frontier™ 5000 *Multi Pro Centrifuges*

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	4-10ml blood tube	5-7 ml blood tube	PCR	MTP
Item: 30314822 For: FC5714 Max Speed: 4500 rpm Max RCF: 3350 xg Auto ID: YES **Rotor, Swing out, 4x100ml, ID**			●	●				●		●	●	●	●	●	●	●		
Item: 30314823 For: FC5714 Max Speed: 4000 rpm Max RCF: 2486 xg Auto ID: YES **Rotor, Swing out, 4x100ml, ID, Sealable**			●				●	●		●	●	●	●	●		●		
Item: 30314824 For: FC5714 Max Speed: 4500 rpm Max RCF: 2716 xg Auto ID: YES **Rotor, Swing out, 2x3MTP, ID**			▲															●
Item: 30314830 For: FC5714 Max Speed: 6000 rpm Max RCF: 4427 xg Auto ID: YES **Rotor, Angle, 6x50ml RB/ FA, ID**			▲		▲	▲		▲	▲		▲	●						
Item: 30314832 For: FC5714 Max Speed: 4500 rpm Max RCF: 2830 xg Auto ID: YES **Rotor, Angle, 30x15ml RB/ FA, ID**			▲		▲	▲		●										
Item: 30314834 For: FC5714 Max Speed: 6000 rpm Max RCF: 4427 xg Auto ID: YES **Rotor, Angle, 12x15ml RB/ FA, ID**			▲		▲	▲		●										
Item: 30314836 For: FC5714 Max Speed: 12000 rpm Max RCF: 15131 xg Auto ID: YES **Rotor, Angle, 30x1.5/2.0ml, ID, Sealable**	▲	▲	●															
Item: 30314838 For: FC5714 Max Speed: 14000 rpm Max RCF: 18624 xg Auto ID: YES **Rotor, Angle, 24x1.5/2.0ml, ID**	▲	▲	●															
Item: 30304361 For: FC5714 Max Speed: 14000 rpm Max RCF: 18624 xg Auto ID: YES **Rotor, Angle, 24x1.5/2.0ml, ID, Sealable**	▲	▲	●															

● Original size ▲ With adapter

Frontier™ 5000 *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 blood tube	5-7 ml blood tube	PCR	MTP
Item: 30314822 For: FC5718/FC5718R Max Speed: 4500 rpm/4500 rpm Max RCF: 3350 xg/3350 xg Auto ID: YES/YES **Rotor, Swing out, 4x100ml, ID**			●	●				●		●	●	●	●	●	●	●		
Item: 30314823 For: FC5718/FC5718R Max Speed: 5000 rpm/5000 rpm Max RCF: 3885 xg/3885 xg Auto ID: YES/YES **Rotor, Swing out, 4x100ml, ID, Sealable**			●				●	●		●	●	●	●	●		●		
Item: 30314824 For: FC5718/FC5718R Max Speed: 4500 rpm/4500 rpm Max RCF: 2716 xg/2716 xg Auto ID: YES/YES **Rotor, Swing out, 2x3MTP, ID**			▲															●
Item: 30314825 For: FC5718/FC5718R Max Speed: 11000 rpm/13500 rpm Max RCF: 13932 xg/20984 xg Auto ID: YES/YES **Rotor, Angle, 6x85ml RB, ID, Hi**								▲	▲		▲	▲	●					
Item: 30314826 For: FC5718/FC5718R Max Speed: 9000 rpm/9000 rpm Max RCF: 10413 xg/10413 xg Auto ID: YES/YES **Rotor, Angle, 6x85ml RB, ID**								▲	▲		▲	▲	●					
Item: 30314827 For: FC5718/FC5718R Max Speed: 12000 rpm/12000 rpm Max RCF: 14809 xg/14809 xg Auto ID: YES/YES **Rotor, Angle, 4x85ml RB, ID, Hi**								▲	▲		▲	▲	●					
Item: 30314829 For: FC5718/FC5718R Max Speed: 7500 rpm/7500 rpm Max RCF: 8174 xg/8174 xg Auto ID: YES/YES **Rotor, Angle, 10x50ml FA, ID**			▲		▲	▲		▲				●						
Item: 30314830 For: FC5718/FC5718R Max Speed: 6000 rpm/6000 rpm Max RCF: 4427 xg/4427 xg Auto ID: YES/YES **Rotor, Angle, 6x50ml RB/FA , ID**			▲		▲	▲		▲	▲		▲	●						
Item: 30314831 For: FC5718/FC5718R Max Speed: 12000 rpm/12000 rpm Max RCF: 13522 xg/13522 xg Auto ID: YES/YES **Rotor, Angle, 6x50ml RB, ID, Hi**								▲	▲		▲	●						
Item: 30314832 For: FC5718/FC5718R Max Speed: 4500 rpm/4500 rpm Max RCF: 2830 xg/2830 xg Auto ID: YES/YES **Rotor, Angle, 30x15ml RB/FA, ID**			▲		▲	▲		●										

● Original size ▲ With adapter

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 blood tube	5-7 ml blood tube	PCR	MTP
Item: 30314833 For: FC5718/FC5718R Max Speed: 12000 rpm/12000 rpm Max RCF: 15775 xg/15775 xg Auto ID: YES/YES **Rotor, Angle, 20x10ml RB, ID, Hi**							●											
Item: 30314834 For: FC5718/FC5718R Max Speed: 6000 rpm/6000 rpm Max RCF: 4427 xg/4427 xg Auto ID: YES/YES **Rotor, Angle, 12x15ml RB/FA, ID**			▲		▲	▲		●										
Item: 30314835 For: FC5718/FC5718R Max Speed: 13500 rpm/13500 rpm Max RCF: 17113 xg/17113 xg Auto ID: YES/YES **Rotor, Angle, 44x1.5/2.0ml, ID**	▲	▲	●															
Item: 30314836 For: FC5718/FC5718R Max Speed: 13000 rpm/14000 rpm Max RCF: 17758 xg/20595 xg Auto ID: YES/YES **Rotor, Angle, 30x1.5/2.0ml, ID, Sealable**	▲	▲	●															
Item: 30314838 For: FC5718/FC5718R Max Speed: 14000 rpm/15000 rpm Max RCF: 18624 xg/21379 xg Auto ID: YES/YES **Rotor, Angle, 24x1.5/2.0ml, ID**	▲	▲	●															
Item: 30304361 For: FC5718/FC5718R Max Speed: 14000 rpm/15000 rpm Max RCF: 18624 xg/21379 xg Auto ID: YES/YES **Rotor, Angle, 24x1.5/2.0ml, ID, Sealable**	▲	▲	●															
Item: 30314839 For: FC5718/FC5718R Max Speed: 18000 rpm/18000 rpm Max RCF: 23542 xg/23542 xg Auto ID: YES/YES **Rotor, Angle, 12x1.5/2.0ml, ID**	▲	▲	●															
Item: 30314840 For: FC5718/FC5718R Max Speed: 13500 rpm/13500 rpm Max RCF: 16298 xg/16298 xg Auto ID: YES/YES **Rotor, Angle, 64x0.5ml, ID**	●																	
Item: 30314841 For: FC5718/FC5718R Max Speed: 15000 rpm/15000 rpm Max RCF: 15343 xg/15343 xg Auto ID: YES/YES **Rotor, Angle, 4x8-w PCR Strip, ID**																	●	

● Original size ▲ With adapter

Frontier™ 5000 *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 blood tube	5-7 ml blood tube	PCR	MTP
Item: 30314820 For: FC5816/FC5816R Max Speed: 4500 rpm/4500 rpm Max RCF: 3780 xg/3780 xg Auto ID: YES/YES **Rotor, Swing out, 4x250ml, ID**			●				●	●		●		●		●	●	●	●		
Item: 30314824 For: FC5816/FC5816R Max Speed: 4500 rpm/4500 rpm Max RCF: 2716 xg/2716 xg Auto ID: YES/YES **Rotor, Swing out, 2x3MTP, ID**			▲																●
Item: 30314828 For: FC5816/FC5816R Max Speed: 4500 rpm/4500 rpm Max RCF: 3735 xg/3735 xg Auto ID: YES/YES **Rotor, Swing out, 16x50ml, ID**								●				●				●	●		
Item: 30314821 For: FC5816/FC5816R Max Speed: 8000 rpm/8000 rpm Max RCF: 10016 xg/10016 xg Auto ID: YES/YES **Rotor, Angle, 6x250ml FB, ID**			▲				▲	▲			▲	▲			●				
Item: 30314826 For: FC5816/FC5816R Max Speed: 11000 rpm/13000 rpm Max RCF: 15555 xg/21726 xg Auto ID: YES/YES **Rotor, Angle, 6x85ml RB, ID**								▲	▲		▲	▲	●						
Item: 30314827 For: FC5816/FC5816R Max Speed: 12000 rpm/12000 rpm Max RCF: 14809 xg/14809 xg Auto ID: YES/YES **Rotor, Angle, 4x85ml RB, ID, Hi**								▲			▲	▲	●						
Item: 30314829 For: FC5816/FC5816R Max Speed: 9000 rpm/10500 rpm Max RCF: 11771 xg/16022 xg Auto ID: YES/YES **Rotor, Angle, 10x50ml FA, ID**			▲		▲	▲		▲				●							
Item: 30314831 For: FC5816/FC5816R Max Speed: 13000 rpm/13000 rpm Max RCF: 15869 xg/15869 xg Auto ID: YES/YES **Rotor, Angle, 6x50ml RB, ID, Hi**								▲	▲		▲	●							
Item: 30314832 For: FC5816/FC5816R Max Speed: 4500 rpm/4500 rpm Max RCF: 2830 xg/2830 xg Auto ID: YES/YES **Rotor, Angle, 30x15ml RB/FA, ID**			▲		▲	▲		●											

● Original size ▲ With adapter

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 blood tube	5-7 ml blood tube	PCR	MTP
Item: 30314833 For: FC5816/FC5816R Max Speed: 12000 rpm/12000 rpm Max RCF: 15775 xg/15775 xg Auto ID: YES/YES **Rotor, Angle, 20x10ml RB, ID, Hi**							●												
Item: 30314835 For: FC5816/FC5816R Max Speed: 15000 rpm/16000 rpm Max RCF: 21128 xg/24039 xg Auto ID: YES/YES **Rotor, Angle, 44x1.5/2.0ml, ID**	▲	▲	●																
Item: 30314838 For: FC5816/FC5816R Max Speed: 15000 rpm/16000 rpm Max RCF: 21379 xg/24325 xg Auto ID: YES/YES **Rotor, Angle, 24x1.5/2.0ml, ID**	▲	▲	●																
Item: 30304361 For: FC5816/FC5816R Max Speed: 15000 rpm/16000 rpm Max RCF: 21379 xg/24325 xg Auto ID: YES/YES **Rotor, Angle, 24x1.5/2.0ml, ID, Sealable**	▲	▲	●																

● Original size ▲ With adapter

Frontier™ 5000 *Multi Pro Centrifuges*

Order No.	30304361	Description	Rotor, Angle, 24x1.5/2.0ml, ID, Sealable		
Compartible 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	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 24x1.5/2.0ml, ID, Sealable	1.5/2.0ml	11mm		24
30130884	Adapter, 1x0.2/0.4ml D6mm, 6/pk	0.2/0.4ml	6mm		24
30130885	Adapter, 1x0.5ml D8mm, 6/pk	0.5ml	8mm		24

Order No.	30314820	Description	Rotor, Swing out, 4x250ml, ID		
Compartible to	**FC5714**	**FC5718**	**FC5718R**	**FC5816**	**FC5816R**
max. speed				4500 rpm	4500 rpm
max. RCF				3780 xg	3780 xg

Accessories

Order No.	Description	Vol./Tube	Diameter	Tube type	No.of tubes/rotor
30304367	Rack, 8x4-10ml D16mm Vac, 2/pk	4-10ml	16mm	Vac	32
30304368	Adapter, 9x1.5/2.0ml D11mm, 2/pk	1.5/2.0ml	11mm		36
30314901	Screw Cap, Rack of 250ml Rotor, 2/pk				
30314902	O-ring, Rack of 250ml Rotor, 10/pk				
30314903	Rack, 1x250ml D62mm FB, 2/pk	250ml	62mm	FB	4
30314904	Rack, 1x100ml D41mm RB, 2/pk	100ml	41mm	RB	4
30314905	Rack, 3x50ml D29mm RB, 2/pk	50ml	29mm	RB	12
30314906	Rack, 3x50ml D29mm FA, 2/pk	50ml	29mm	FA	12
30314907	Rack, 1x50ml D34mm RB, 2/pk, v3	50ml	34mm	RB	4
30314908	Rack, 2x50ml D29mm Rim, 2/pk	50ml	29mm	Rim	8
30314909	Rack, 1x50ml D29mm Rim, 2/pk, v3	50ml	29mm	Rim	4
30314910	Rack, 5x25ml D24.5mm RB, 2/pk	25ml	24.5mm	RB	20
30314911	Rack, 3x25ml D24.5mm Rim, 2/pk	25ml	24.5mm	Rim	12
30314912	Rack, 9x15ml D17mm RB, 2/pk	15ml	17mm	RB	36
30314913	Rack, 7x15ml D17mm FA, 2/pk	15ml	17mm	FA	28
30314914	Rack, 7x15ml D17mm Rim, 2/pk	15ml	17mm	Rim	28
30314915	Rack, 8x10ml D16mm RB, 2/pk	10ml	16mm	RB	32
30314916	Rack, 14x5-7ml D13mm RB, 2/pk	5-7ml	13mm	RB	56
30314917	Rack, 10x1.6-7ml D13mm Vac, 2/pk	1.6-7ml	13mm	Vac	40

Order No.	30314821	Description	Rotor, Angle, 6x250ml FB, ID		
Compartible to	**FC5714**	**FC5718**	**FC5718R**	**FC5816**	**FC5816R**
max. speed				8000 rpm	8000 rpm
max. RCF				10016 xg	10016 xg

Accessories

Order No.	Description	Vol./Tube	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 6x250ml FB, ID	250ml	62mm	FB	6
30304369	Adapter, 8x1.5ml D11mm, 2/pk	1.5ml	11mm		48
30304370	Adapter, 5x10ml D16mm RB, 2/pk	10ml	16mm	RB	30
30304371	Adapter, 4x15ml D17mm FA, 2/pk	15ml	17mm	FA	24
30304372	Adapter, 2x30ml D26mm RB, 2/pk	30ml	26mm	RB	12
30304373	Adapter, 1x50ml D29mm RB, 2/pk	50ml	29mm	RB	6
30304374	Adapter, 1x50ml D30mm FA, 2/pk	50ml	30mm	FA	6

Order No.	30314822	Description	Rotor, Swing out, 4x100ml, ID		
Compartible 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	Diameter	Tube type	No.of tubes/rotor
30314842	Rack, 1x100ml D46mm RB, 2/pk	100ml	46mm	RB	4
30314843	Rack, 1x85ml D38mm RB, 2/pk	85ml	38mm	RB	4
30314844	Rack, 1x50ml D34mm RB, 2/pk	50ml	34mm	RB	4
30314845	Rack, 1x50ml D29mm RB, 2/pk	50ml	29mm	RB	4
30314846	Rack, 1x50ml D29mm FA, 2/pk	50ml	29mm	FA	4
30314847	Rack, 1x50ml D29mm Rim, 2/pk	50ml	29mm	Rim	4
30314848	Rack, 1x30ml D25mm Rim, 2/pk	30ml	25mm	Rim	4
30314849	Rack, 1x25ml D25mm RB, 2/pk	25ml	25mm	RB	4
30314850	Rack, 2x15ml D17mm FA, 2/pk	15ml	17mm	FA	8
30314851	Rack, 1x15ml D17mm Rim, 2/pk	15ml	17mm	Rim	4
30314852	Rack, 7x15ml D17mm RB, 2/pk	15ml	17mm	RB	28
30314853	Rack, 9x5-7ml D13mm RB, 2/pk	5-7ml	13mm	RB	36
30314854	Rack, 10x1.5ml D11mm, 2/pk	1.5ml	11mm		40
30314855	Rack, 9x4.5ml D12mm FB, 2/pk	4.5ml	12mm	FB	36
30314856	Rack, 7x5-7ml D13mm RB, 2/pk	5-7ml	13mm	RB	28
30314857	Rack, 7x5-7ml D13mm Vac, 2/pk	5-7ml	13mm	Vac	28
30314858	Rack, 5x4-10ml D16mm Sar, 2/pk	4-10ml	16mm	Sar	20

Frontier™ 5000 *Multi Pro Centrifuges*

Order No.	30314823	Description	Rotor, Swing out, 4x100ml, ID, Sealable		
Compartible to	**FC5714**	**FC5718**	**FC5718R**	**FC5816**	**FC5816R**
max. speed	4000 rpm	5000 rpm	5000 rpm		
max. RCF	2486 xg	3885 xg	3885 xg		

Accessories

Order No.	Description	Vol./Tube	Diameter	Tube type	No.of tubes/rotor
30314860	Bucket, 100ml w/o Cap, 2/pk				
30314861	Bucket, 100ml w/ Cap, Sealable, 2/pk				
30314862	Screw Cap, 100ml Bucket, Sealable, 2/pk				
30314863	O-ring, 100ml Bucket, Sealable, 10/pk				
30314864	Rack, 1x100ml D40mm RB, 2/pk	100ml	40mm	RB	4
30314865	Rack, 1x85ml D38mm RB, 2/pk, v2	85ml	38mm	RB	4
30314866	Rack, 1x50ml D34mm RB, 2/pk, v2	50ml	34mm	RB	4
30314867	Rack, 1x50ml D29mm RB, 2/pk, v2	50ml	29mm	RB	4
30314868	Rack, 1x50ml D29mm FA, 2/pk, v2	50ml	29mm	FA	4
30314869	Rack, 1x50ml D29mm Rim, 2/pk, v2	50ml	29mm	Rim	4
30314870	Rack, 1x30ml D25mm Rim, 2/pk, v2	30ml	25mm	Rim	4
30314871	Rack, 1x25ml D25mm RB, 2/pk, v2	25ml	25mm	RB	4
30314872	Rack, 1x15ml D17mm FA, 2/pk	15ml	17mm	FA	4
30314873	Rack, 2x15ml D17mm FA, 2/pk, v2	15ml	17mm	FA	8
30314874	Rack, 2x15ml D17mm Rim, 2/pk	15ml	17mm	Rim	8
30314875	Rack, 4x15ml D17mm RB, 2/pk	15ml	17mm	RB	16
30314876	Rack, 7x5-7ml D13mm RB, 2/pk, v2	5-7ml	13mm	RB	28
30314877	Rack, 5x1.5ml D11mm, 2/pk	1.5ml	11mm		20
30314878	Rack, 3x10ml D17mm Sar, 2/pk	10ml	17mm	Sar	12
30314879	Rack, 4x5-7ml D13mm RB, 2/pk	5-7ml	13mm	RB	16
30314880	Rack, 4x10ml D17mm Vac, 2/pk	10ml	17mm	Vac	16
30314881	Bucket, 2x50ml D29mm FA, w/ Rack, 2/pk	50ml	29mm	FA	8
30314882	Bucket, 3x15ml D17mm FA, w/ Rack, 2/pk	15ml	17mm	FA	12
30314883	Cyto, Rectangular Bucket, 2/pk				
30314884	Cyto, Slide Carrier, 1/pk				
30314885	Cyto, Container, 2x1.5ml Cyl., 1/pk				
30314886	Cyto, Container, 2x3ml Conical, 1/pk				
30314887	Cyto, Container Cover, 1/pk				
30314888	Cyto, Filter Card, Cyl., 100/pk				
30314889	Cyto, Filter Card, Conical, 100/pk				

Order No.	30314824	Description	Rotor, Swing out, 2x3MTP, ID		
Compartible 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	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Swing out, 2x3MTP, ID	MTP			6
30314890	Bucket, 3xMTP, 2/pk	MTP			6
30314891	Adapter, 48x1.5/2.0ml D11mm, 2/pk	1.5/2.0ml	11mm		96

Order No.	30314825	Description	Rotor, Angle, 6x85ml RB, ID, Hi		
Compartible to	**FC5714**	**FC5718**	**FC5718R**	**FC5816**	**FC5816R**
max. speed		11000 rpm	13500 rpm		
max. RCF		13932 xg	20984 xg		

Accessories

Order No.	Description	Vol./Tube	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 6x85ml RB, ID, Hi	85ml	38mm	RB	6
30314893	Adapter, 1x15ml D17mm RB, 2/pk	15ml	17mm	RB	6
30314894	Adapter, 1x30ml D25mm RB, 2/pk	30ml	25mm	RB	6
30314895	Adapter, 1x50ml D29mm RB, 2/pk, v2	50ml	29mm	RB	6
30314896	Adapter, 1x50ml D29mm FA, 2/pk	50ml	29mm	FA	6
30314897	Adapter, 1x15ml D17mm FA, 2/pk	15ml	17mm	FA	6
30314898	Adapter, 2x15ml D17mm RB, 2/pk	15ml	17mm	RB	12
30314899	Adapter, 1x16ml D18mm RB, 2/pk	16ml	18mm	RB	6

Order No.	30314826	Description	Rotor, Angle, 6x85ml RB, ID		
Compartible 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	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 6x85ml RB, ID	85ml	38mm	RB	6
30314893	Adapter, 1x15ml D17mm RB, 2/pk	15ml	17mm	RB	6
30314894	Adapter, 1x30ml D25mm RB, 2/pk	30ml	25mm	RB	6
30314895	Adapter, 1x50ml D29mm RB, 2/pk, v2	50ml	29mm	RB	6
30314896	Adapter, 1x50ml D29mm FA, 2/pk	50ml	29mm	FA	6
30314897	Adapter, 1x15ml D17mm FA, 2/pk	15ml	17mm	FA	6
30314898	Adapter, 2x15ml D17mm RB, 2/pk	15ml	17mm	RB	12
30314899	Adapter, 1x16ml D18mm RB, 2/pk	16ml	18mm	RB	6

Frontier™ 5000 *Multi Pro Centrifuges*

Order No.	30314827	Description	Rotor, Angle, 4x85ml RB, ID, Hi		
Compartible 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	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 4x85ml RB, ID, Hi	85ml	38mm	RB	4
30314893	Adapter, 1x15ml D17mm RB, 2/pk	15ml	17mm	RB	4
30314894	Adapter, 1x30ml D25mm RB, 2/pk	30ml	25mm	RB	4
30314895	Adapter, 1x50ml D29mm RB, 2/pk, v2	50ml	29mm	RB	4
30314896	Adapter, 1x50ml D29mm FA, 2/pk	50ml	29mm	FA	4
30314897	Adapter, 1x15ml D17mm FA, 2/pk	15ml	17mm	FA	4
30314898	Adapter, 2x15ml D17mm RB, 2/pk	15ml	17mm	RB	8
30314899	Adapter, 1x16ml D18mm RB, 2/pk	16ml	18mm	RB	4

Order No.	30314828	Description	Rotor, Swing out, 16x50ml, ID		
Compartible to	**FC5714**	**FC5718**	**FC5718R**	**FC5816**	**FC5816R**
max. speed				4500 rpm	4500 rpm
max. RCF				3735 xg	3735 xg

Accessories

Order No.	Description	Vol./Tube	Diameter	Tube type	No.of tubes/rotor
30304375	Rack, 4x50ml D29mm FA, 2/pk	50ml	29mm	FA	16
30314583	Rack, 10x15ml D17mm FA, 2/pk	15ml	17mm	FA	40
30314584	Rack, 14x5-7ml D13mm Vac/Sar, 2/pk	5-7ml	13mm	Vac/Sar	56
30314585	Rack, 12x4-10ml D16mm Vac/Sar, 2/pk	4-10ml	16mm	Vac/Sar	48

Order No.	30314829	Description	Rotor, Angle, 10x50ml FA, ID		
Compartible 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	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 10x50ml FA, ID	50ml	29mm	FA	10
30130886	Adapter, 1x1.5/2.0ml D11mm, 6/pk	1.5/2.0ml	11mm		10
30130889	Adapter, 1x7ml D13.5mm RB, 2/pk	7ml	13.5mm	RB	10
30130890	Adapter, 1x5ml D13.5mm, 2/pk	5ml	13.5mm		10
30130894	Adapter, 1x15ml D17mm RB, 2/pk, v2	15ml	17mm	RB	10

Order No.	30314830	Description	Rotor, Angle, 6x50ml RB/FA, ID		
Compartible 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	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 6x50ml RB/FA, ID	50ml	29mm	RB/FA	6
30130886	Adapter, 1x1.5/2.0ml D11mm, 6/pk	1.5/2.0ml	11mm		6
30130889	Adapter, 1x7ml D13.5mm RB, 2/pk	7ml	13.5mm	RB	6
30130890	Adapter, 1x5ml D13.5mm, 2/pk	5ml	13.5mm		6
30130891	Adapter, 1x30ml D26mm, 2/pk	30ml	26mm		6
30130892	Adapter, 1x16ml D18mm, 2/pk	16ml	18mm		6
30130893	Adapter, 1x15ml D17mm, 2/pk	15ml	17mm		6
30130894	Adapter, 1x15ml D17mm RB, 2/pk, v2	15ml	17mm	RB	6
30314899	Adapter, 1x16ml D18mm RB, 2/pk	16ml	18mm	RB	4

Order No.	30314831	Description	Rotor, Angle, 6x50ml RB, ID, Hi		
Compartible 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	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 6x50ml RB, ID, Hi	50ml	29mm	RB	6
30130891	Adapter, 1x30ml D26mm, 2/pk	30ml	26mm		6
30130892	Adapter, 1x16ml D18mm, 2/pk	16ml	18mm		6
30130893	Adapter, 1x15ml D17mm, 2/pk	15ml	17mm		6
30314892	Adapter, 1x15ml D17.5mm FA, 2/pk	15ml	17.5mm	FA	6

Order No.	30314832	Description	Rotor, Angle, 30x15ml RB/FA, ID		
Compartible 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	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 30x15ml RB/FA, ID	15ml	17mm	RB/FA	30
30130886	Adapter, 1x1.5/2.0ml D11mm, 6/pk	1.5/2.0ml	11mm		30
30130889	Adapter, 1x7ml D13.5mm RB, 2/pk	7ml	13.5mm	RB	30
30130890	Adapter, 1x5ml D13.5mm, 2/pk	5ml	13.5mm		30

Frontier™ 5000 *Multi Pro Centrifuges*

Order No.	30314833	Description	Rotor, Angle, 20x10ml RB, ID, Hi		
Compartible 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	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 20x10ml RB, ID, Hi	10ml	16mm	RB	20

Order No.	30314834	Description	Rotor, Angle, 12x15ml RB/FA, ID		
Compartible 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	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 12x15ml RB/FA, ID	15ml	17mm	RB/FA	12
30130886	Adapter, 1x1.5/2.0ml D11mm, 6/pk	1.5/2.0ml	11mm		12
30130889	Adapter, 1x7ml D13.5mm RB, 2/pk	7ml	13.5mm	RB	12
30130890	Adapter, 1x5ml D13.5mm, 2/pk	5ml	13.5mm		12

Order No.	30314835	Description	Rotor, Angle, 44x1.5/2.0ml, ID		
Compartible 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	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 44x1.5/2.0ml, ID	1.5/2.0ml	11mm		44
30130884	Adapter, 1x0.2/0.4ml D6mm, 6/pk	0.2/0.4ml	6mm		44
30130885	Adapter, 1x0.5ml D8mm, 6/pk	0.5ml	8mm		44

Order No.	30314836	Description	Rotor, Angle, 30x1.5/2.0ml, ID, Sealable		
Compartible 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	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 30x1.5/2.0ml, ID, Sealable	1.5/2.0ml	11mm		30
30130884	Adapter, 1x0.2/0.4ml D6mm, 6/pk	0.2/0.4ml	6mm		30
30130885	Adapter, 1x0.5ml D8mm, 6/pk	0.5ml	8mm		30

Order No.	30314838	Description	Rotor, Angle, 24x1.5/2.0ml, ID		
Compartible 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	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 24x1.5/2.0ml, ID	1.5/2.0ml	11mm		24
30130884	Adapter, 1x0.2/0.4ml D6mm, 6/pk	0.2/0.4ml	6mm		24
30130885	Adapter, 1x0.5ml D8mm, 6/pk	0.5ml	8mm		24

Order No.	30314839	Description	Rotor, Angle, 12x1.5/2.0ml, ID		
Compartible to	**FC5714**	**FC5718**	**FC5718R**	**FC5816**	**FC5816R**
max. speed		18000 rpm	18000 rpm		
max. RCF		23542 xg	23542 xg		

Accessories

Order No.	Description	Vol./Tube	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 12x1.5/2.0ml, ID	1.5/2.0ml	11mm		12
30130884	Adapter, 1x0.2/0.4ml D6mm, 6/pk	0.2/0.4ml	6mm		12
30130885	Adapter, 1x0.5ml D8mm, 6/pk	0.5ml	8mm		12
30314900	Adapter, 1x1.5ml for over16000xg, 6/pk	1.5ml	11mm		12

Order No.	30314840	Description	Rotor, Angle, 64x0.5ml, ID		
Compartible to	**FC5714**	**FC5718**	**FC5718R**	**FC5816**	**FC5816R**
max. speed		13500 rpm	13500 rpm		
max. RCF		16298 xg	16298 xg		

Accessories

Order No.	Description	Vol./Tube	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 64x0.5ml, ID	0.5ml	8mm		64

Order No.	30314841	Description	Rotor, Angle, 4x8-w PCR Strip, ID		
Compartible to	**FC5714**	**FC5718**	**FC5718R**	**FC5816**	**FC5816R**
max. speed		15000 rpm	15000 rpm		
max. RCF		15343 xg	15343 xg		

Accessories

Order No.	Description	Vol./Tube	Diameter	Tube type	No.of tubes/rotor
No Adapter	Rotor, Angle, 4x8-w PCR Strip, ID	8-w PCR Strip			32

Frontier™ 5000 *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 x g; 10 x g/set**	**23542 x g; 10 x g/set**	**23542 x g; 10 x g/set**	**21379 x g; 10 x g/set**	**24325 x g; 10 x g/set**
Maximum Capacity	**4 x 100ml**	**4 x 100ml**	**4 x 100ml**	**6 x 250ml**	**6 x 250ml**
Temperature range	Air cool	Air cool	-20~40℃	Air cool	-20~40℃
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
Mains power connection AC	230 V ~ 50/60 Hz				
Voltage fluctuation	± 10 %				
Current consumption	1.3 A	2.0 A	3.0 A	2.4 A	3.7 A
Power consumption	240 W	455 W	660 W	530 W	785 W
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
	14.3 x 19.4 x 13.0 in	16.1 x 19.7 x 13.8 in	16.0 x 28.8 x 14.1 in	17.6 x 21.2 x 13.9 in	28.5 x 21.2 x 13.9 in
Net Weight (without rotor)	30 kg	43 kg	60 kg	52 kg	77 kg
	66 lb	95 lb	132 lb	115 lb	170 lb
Environment	For indoor use only				

Product safety: EN 61010-1: 2010、EN 61010-2-020: 2006
EMC: EN 61326-1: 2013, FCC Part 15 Class B.

© Copyright OHAUS Corporation

OHAUS CORPORATION
*7 Campus Drive
Suite 310
Parsippany, NJ 07054 USA

Tel: 800.672.7722
973.377.9000
Fax:973.944.7177

www.ohaus.com

With offices throughout Europe, Asia, and Latin America

***ISO 9001:2008**
Registered Quality Management System

OHAUS®