

































# Rotors for FRONTIER™ FC5916 and FC5916R



Swing Out Rotor 4 × 750 ml ID	
Item No.	30553085
Rotor Capacity	4 × 750 ml
Rotor Type	Swing Out, 0-90°
Permissible Net Weight	4 × 995 g
Lowest Temperatures	4 °C, however -3 °C when using 30553119














Accessory Specifications									
Accessory Item No.	30602502*	30553122*	30553123*	30553124	30553125	30772866	30553126	30553127	30553128
Accessory Type	Bucket	Lid assembly	O-ring	Rack					
Max. RPM (FC5916/FC5916R)	4,000/4,500			4,000/4,500					
Quantity in Package	2 /pk		10/pk	2 /pk					
Max. RCF (FC5916/FC5916 R)	3,434 / 4,346 × g	n/a		3,416 / 4,324 × g	3,380 / 4,278 × g	3,452 / 4,369 × g	3,416/4,324 × g		
Tube Specifications		n/a							
Tube Type	Flat Bottom - Herolab®	n/a		Conical Bottom - Corning®	Flat Bottom	Conical Bottom - Corning®	Conical Bottom	Round Bottom	Conical Bottom
Tube volume	750 ml	n/a		500 ml	250 ml		175 / 225 ml	100 ml	50 ml
Tubes per Rotor	4	n/a		4			12	20	
Max. Tube Diameter (mm)	98	n/a		97	62	60	61	41	29
Tube Height (mm)	152	n/a		148	122/137	159	118/137	102/123	116



Accessory Specifications									
Accessory Item No.	30553129	30553130	30553131	30553132	30553133	30553134	30553135	30553136	
Accessory Type	Rack								
Max. RPM (FC5916/FC5916R)	4,000/4,500								
Quantity in Package	2 /pk								
Max. RCF (FC5916/FC5916R)	3,416/4,324 × g			3,416 / 4,324 × g	3,434 / 4,346 × g	3,398 / 4,301 × g	3,363/4,256 × g		
Tube Specifications									
Tube Type	Skirted Conical Bottom	Conical Bottom	Round Bottom	Round Bottom	Conical Bottom		Round Bottom		
Tube volume	50 ml			30 ml	15 ml			10 ml	
Tubes per Rotor	20	28		32	56	68	72	84	
Max. Tube Diameter (mm)	29			26	17			16	
Tube Height (mm)	100/120	116	102/123		120		97/120	70/121	

\*All racks are used with bucket 30602502 only

\* BIOSEALS certified: When using the Lid Assembly(with 1 EA O-ring ) on the rotor, the buckets are hermetically sealed. O-ring should be changed when it's worn.

## Rotors for FRONTIER™ FC5916 and FC5916R

Accessory Specifications								
Accessory Item No.	30553138	30553139	30553140	30559377	83041040	30553104	30553105	30553117*
Accessory Type	Rack					Bucket	Holder	Lid assembly
Max. RPM (FC5916/FC5916R)	4,000/4,500							
Quantity in Package	2/pk							
Max. RCF (FC5916/FC5916 R)	3,345 / 4,233 × g		3,398 / 4,301 × g	3,363 / 4,256 × g		3,130 / 3,961 × g	n/a	
Tube Specifications						n/a		
Tube Type	Round Bottom	Vacutainer® / Sarstedt®		Sarstedt®	Microtube	Microplate	n/a	
Tube volume	7 ml	1.8-7 ml	4- 10 ml	1.1-1.4 ml	1.5/2.0 ml	n/a		
Tubes per Rotor	128	108	72	152	96	12 Standard Microplates or 4 Deepwell Plates	n/a	
Max. Tube Diameter (mm)	13		16	8	11	87 × 128	n/a	
Tube Height (mm)	98/119	65/100	75/100	66	42	80	n/a	

Accessory Specifications		
Accessory Item No.	30553118	30553119
Accessory Type	O-ring	Bucket
Max. RPM (FC5916/FC5916R)	4,000/4,500	
Quantity in Package	10/pk	2/pk
Max. RCF (FC5916/FC5916R)	n/a	2,754/3,486 × g
Tube Specifications	n/a	
Tube Type	n/a	Microplate
Tube volume	n/a	n/a
Tubes per Rotor	n/a	12 Standard Microplates or 4 Deepwell Plates
Max. Tube Diameter (mm)	n/a	87 × 128
Tube Height (mm)	n/a	72

\* BIOSEALS certified: When using the Lid Assembly(with 1 EA O-ring ) on the rotor, the buckets are hermetically sealed. O-ring should be changed when it's worn.

## Rotors for FRONTIER™ FC5916 and FC5916R



Angle Rotor 4 x 500 ml	
Item No.	30553086
Rotor Capacity	4 x 500 ml
Rotor Type	Angle, 24°
Permissible Net Weight	4 x 708 g
Lowest Temperatures	7 °C

Accessory Specifications	n/a							
Accessory Item No.	n/a	30559416	30559417	30559419	30559420	30559421	30559422	30564850
Accessory Type	n/a	Adapter						
Max. RPM (FC5916/FC5916R)	8,000							
Quantity in Package	n/a	2/pk						
Max. RCF (FC5916/FC5916R)	10,374 x g	9,014 x g	9,587 x g	8,871 x g	10,231 x g	9,873 x g		9,801 x g
Tube Specifications								
Tube Type	Flat Bottom	Conical Bottom - Corning®	Conical Bottom		Round Bottom		Conical Bottom	Flat Bottom
Tube volume	500 ml	250 ml	175-225 ml	50 ml		30 ml	15 ml	250 ml
Tubes per Rotor	4				12	16	24	4
Max. Tube Diameter (mm)	69.5	60	61	29.5	29	25	17	62
Tube Height (mm)	165	159	118/137	116	103	92	120	122



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	-5 °C

Accessory Specifications	n/a								
Accessory Item No.	n/a	30559414	30304369	30304370	30304371	30304372	30304373	30304374	30559412
Accessory Type	n/a	Adapter							
Max. RPM (FC5916/FC5916R)	8,000								
Quantity in Package	n/a	2 /pk							
Max. RCF (FC5916/FC5916R)	10,016 x g	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	9,444 x g
Tube Specifications									
Tube Type	Flat Bottom	Conical Bottom	Microtube	Round Bottom	Conical Bottom	Round Bottom		Conical Bottom	Microtube
Tube volume	250 ml	175-225 ml	1.5/2.0 ml	10 ml	15 ml	30 ml	50 ml		1.5/2.0 ml
Tubes per Rotor	6	6	48	30	24	12	6		90
Max. Tube Diameter (mm)	62	61	11	16	17	26	29		11
Tube Height (mm)	122	118/137	40	80	120	92	103	116	40

# Rotors for FRONTIER™ FC5916 and FC5916R



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	2 °C

Accessory Specifications	n/a							
Accessory Item No.	n/a	30314893	30314894	30314895	30314896	30314897	30314898	30314899
Accessory Type	n/a	Adapter						
Max. RPM (FC5916/FC5916R)	11,000/13,000							
Quantity in Package	n/a	2/pk						
Max. RCF (FC5916/FC5916R)	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			Conical Bottom		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	116	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 76 g
Lowest Temperatures	0 °C


Accessory Specifications	n/a					
Accessory Item No.	n/a	30130886*	30130889*	30130890*	30472300	30472307
Accessory Type	n/a	Adapter				
Max. RPM (FC5916/FC5916R)	10,000/10,500					
Quantity in Package	n/a	6/pk	2/pk			
Max. RCF (FC5916/FC5916R)	14,532 / 16,022 x g	9,278 / 10,229 x g	12,774 / 14,050 x g	10,955 / 12,078 x g	14,197 / 15,652 x g	14,309 / 15,775 x g
Tube Specifications						
Tube Type	Conical Bottom	Microtube	Round Bottom/ Vacutainer®	RIA (Radioimmuno- assay)/Vacutainer®/ Sarstedt®	Round Bottom/ Vacutainer®	Conical Bottom
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		17	
Tube Height (mm)	116	40	95/115	65/75	97/123	120
















\*Only possible with adapter 30472300

## Rotors for FRONTIER™ FC5916 and FC5916R

	Swing Out Rotor 2 × 3 MTP ( Buckets included)	
	Item No.	30314824
	Rotor Capacity	2 x 3 MTP
	Rotor Type	Swing Out, 0-90°
	Permissible Net Weight	2 x 310 g
	Lowest Temperature	-15 °C

Accessory Specifications		
Accessory Item No.	30314890	30314891
Accessory Type	Bucket	Adapter
Max. RPM (FC5916/FC5916R)	4,500	
Quantity in Package	2/pk	
Max. RCF	2,716 × 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)	63	42

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










Accessory Specifications	n/a							
Accessory Item No.	n/a	30314893	30314894	30314895	30314896*	30314897*	30314898	30314899
Accessory Type	n/a	Adapter						
Max. RPM (FC5916/FC5916R)	15,000/16,000							
Quantity in Package	n/a	2/pk						
Max. RCF (FC5916/FC5916R)	23,685 / 26,331 × g	17,103 / 18,243 × g	16,902 / 18,028 × g	17,908 / 19,101 × g	17,304 / 18,457 × g	16,700 / 17,813 × g	15,091 / 16,097 × g	16,700 / 17,813 × g
Tube Specifications								
Tube Type	Round Bottom				Conical Bottom		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	116	120	95/100	103/110

\*Only without rotor lid

# Rotors for FRONTIER™ FC5916 and FC5916R




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	-9 °C

Accessory Specifications	n/a				
Accessory Item No.	n/a	30130891	30130892	30130893	30314892*
Accessory Type	n/a	Adapter			
Max. RPM (FC5916/FC5916R)	13,000				
Quantity in Package	n/a	2/pk			
Max. RCF (FC5916/FC5916R)	15,869 x g	14,649 x g	13,777 x g	13,951 x g	13,428 x g
Tube Specifications					
Tube Type	Round Bottom Oakridge	Round Bottom			Conical Bottom
Tube Volume	50 ml	30 ml	16 ml	15 ml	
Tubes per Rotor	6				
Max. Tube Diameter (mm)	29	25	18	17	
Tube Height (mm)	95/115	92/95	100/105		120

\*Only without rotor lid















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	-7 °C

Accessory Specifications	n/a
Accessory Item No.	n/a
Accessory Type	n/a
Max. RPM (FC5916/FC5916R)	12,000
Quantity in Package	n/a
Max. RCF (FC5916/FC5916R)	15,775 x g
Tube Specifications	
Tube Type	Round Bottom
Tube volume	10 ml
Tubes per Rotor	20
Max. Tube Diameter (mm)	16
Tube Height (mm)	80


\*No Adapters






## Rotors for FRONTIER™ FC5916 and FC5916R


Angle Rotor 44 × 1.5/2.0 ml			
	Item No.	30372718	
	Rotor Capacity	44 x 1.5/2.0 ml	
	Rotor Type	Angle, 32°/55°	
	Permissible Net Weight	44 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 (FC5916/FC5916R)	16,000		
Quantity in Package	n/a	6/pk	
Max. RCF (FC5916/FC5916R)	24,325 × g	23,466 × g	21,463 × 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	45	

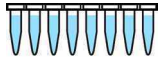
Angle Rotor 30 × 1.5/2.0 ml			
	Item No.	30314836	
	Rotor Capacity	30 x 1.5/2.0 ml	
	Rotor Type	Angle, 45°	
	Permissible Net Weight	30 x 3.4 g	
	Lowest Temperature	-3 °C	
Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM (FC5916/FC5916R)	15,000		
Quantity in Package	n/a	6/pk	
Max. RCF (FC5916/FC5916R)	23,643 × g	21,361 × g	19,719 × 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

## Rotors for FRONTIER™ FC5916 and FC5916R

	Angle Rotor 24 × 1.5/2.0 ml ID BIOSEALS	
	Item No.	83041238
	Rotor Capacity	24 x 1.5/2.0 ml
	Rotor Type	Angle, 45°
	Permissible Net Weight	24 x 3.4 g
	Lowest Temperatures	-5 °C

Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM (FC5916/FC5916R)	16,000		
Quantity in Package	n/a	6/pk	
Max. RCF (FC5916/FC5916R)	24,325 × g	21,463 × g	23,466 × 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	45	

	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	-2 °C

Accessory Specifications	n/a
Accessory Item No.	n/a
Accessory Type	n/a
Max. RPM (FC5916/FC5916R)	15,000
Quantity in Package	n/a
Max. RCF (FC5916/FC5916R)	15,343 × g
Tube Specifications	
Tube Type	8-w PCR Strip
Tube volume	0.2/0.4 ml
Tubes per Rotor	32
Max. Tube Diameter (mm)	n/a
Tube Height (mm)	n/a

\*No Adapters