

Multilab Centrifuge ROUTINE-LINE

PRETTY

What did you expect ?
Product of French design with their AFI style. You won't be able to not recognize them Pretty make the difference.

SOUND OF SILENCE

You too will be amazed by this ultra-quiet centrifuge. Let yourself be surprised!

COMPACTNESS

Very compact (96 tubes 5-7 mL) The monobloc design makes centrifuges very compact and will help you save space in your laboratory. Optimum compactness.

NEVER ALONE AGAIN

With its green check and a beep, LISA indicates that the program has been correctly executed, otherwise a red cross indicates an error, such as a cycle interruption. With its large touch screen and icons, LISA will help you to get started with the machine. A real pleasure of simplicity.



Centrifuge Description		
AFI-C200V-E	LISA Multifunction centrifuge Ventilated	
AFI-C200R-E	LISA Multifunction centrifuge Refrigerated	
Specifications	Swing-out rotor	Angular Rotor
Max Speed	5100rpm	18000rpm
Max RCF	5816g	31514g
Max Loading	4x625ml	8x100ml
T° Range	-20°C/+40°C	
Dim. (HxWxD)	32x68x63cm	
Pack dim.	54x74x55cm	
Weight	110kg	



Reversible centrifuge Refrigerated & heated

Thanks to its red electronic block, you'll immediately notice the new range of heated centrifuges with reversible technology.

Its reversible refrigeration unit maintains a constant & precise temperature for protocols at 37°C or 4°C (+/- 2°C)

Its ultra-fast temperature rise (less than 9 minutes from ambient to 37°C) and fall (less than 6 minutes from ambient to 4°C) mean it can be used for a wide variety of applications in medical analysis laboratories (cryoglobulins), cosmetics laboratories and industry.

Finally, the pre-cooling and pre-heating functions are programmed as standard at 4°C and 37°C.

However, these can be modified to create your own programmes. (e.g. pre-cooling to 10°C or pre-heating to 30°C)

More efficient reversible technology, without heating resistor.



AFI-C200RH-E LISA Multifunction centrifuge Reversible (Refrigerated & heated)		
Specifications	Swing-out rotor	Angular Rotor
Max Speed	5100rpm	18000rpm
Max RCF	5816g	31514g
Max Loading	4x625ml	8x100ml
T° Range	-20°C/+40°C	
Dim. (HxWxD)	32x68x63cm	
Pack dim.	54x74x55cm	
Weight	110kg	

ULTRA FAST temperature rise

< 9 mn from 20°C to 37°

< 7 mn from 20°C to 4°C

Our best seller centrifuge since 2017

INTERNATIONAL AUTOMATIC ELECTRICAL CORRECTION



International automatic correction of the electrical network. Guarantees stability of the machine's performance.



NEW CLICK SPIN

The Best flexibility system to change accessories without tool



INTERACTIVE DISPLAY



With its large touch screen and icons, LISA will help you to get started with the machine.

A real pleasure of simplicity.

Its
major
assets

6 reasons

to choose it



You too will be amazed by this ultra-quiet centrifuge. Let yourself be surprised!

ULTRA SILENT CENTRIFUGE

Centrifuge's electronic functions integrated into a front central unit. Plug & play system guaranteeing a fast and efficient intervention

THE BLUE BOX



You can set up your own programs, name it, lock it, choose slope rate, set up your own user preferences.

CUSTOMIZABLE PROGRAM

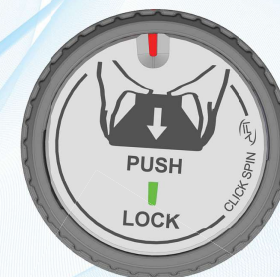
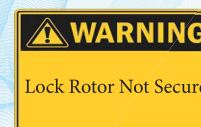
LISA | Multilab centrifuge

NEW CLICK SPIN with visual lock indicator



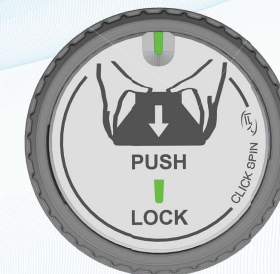
Check:

- The red light indicates that the rotor is not securely locked



Ready:

- The green light indicates that the rotor is successfully locked
=> Safe centrifugation



- Click Spin available on Multilab centrifuges (SIRENA, LISA, LOREENA)



	SMALL	MEDIUM	LARGE
Ref.	AFI-MT550	AFI-MT750	AFI-MT850
Dimensions wxhxd (mm)	550x560x700	750x560x700	850x560x700
	2 tiroirs, 4 roulettes avec frein / 2 drawers, 4 wheels with brake		
LINA V	✓		
LINA R	✓		
ISA V	✓		
ISA R	✓		
SIRENA	✓		
LISA V	✓		
LISA R		✓	
LOREENA V		✓	
LOREENA R			✓

We offer you a range of AFI furniture dedicated to your centrifuges.

These furniture have been designed to last.
They are reinforced with a metal frame to ensure robustness.

They are equipped with 4 castors with brakes for more mobility and flexibility in your laboratory.

The large drawers allow you to place all your accessories.

These furniture are for you !

Notes

Swinging bucket rotors

Accessories selection guide



LISA ACCESSORIES	AFI-RX290	AFI-RX400	AFI-RX625			AFI-RHDW
LISA ACCESSORIES	AFI-B290	AFI-B400	AFI-B625	AFI-DB500C	AFI-BXDW	AFI-BHDW
Max Capacity (ml)	4x290	4x400	4x625	4x500	8 Microplates	10 Microplates
Max Charge (gr)	380	560	750	700	725	725
Max Speed (rpm)	5 100	5 100	5 100	5 100	5 100	5 100
Max RCF (g)	5 234	5 234	5 351	5 816	4 420	4 536
Cavity dim (ØxD) or (WxLxD)	Ø64,5x99	Ø76,5x96	Ø94x85	Ø97x100	93x131x19	91x132x59
Lid	✓	✓	✓	✓	✓	✓
LORENA Compatible*	✓	✓	✓	✓	✓	✓
Acc Dec (s)	41 45	41 45	72 67			68 66

* Compatible with the maximum speed written above the rotor.

Tubes	ml	Ø x L	AFI-B290	AFI-B400	AFI-B625	AFI-DB500C	AFI-BXDW	AFI-BHDW
	1,1-1,4	8x82	64	82	92	-	-	-
	1,5-2	11x38	72	120	184	-	-	-
	1,5-2	12,5x40	60	60	92	-	-	-
	1,3	10x45	76	88	120	-	-	-
	1,6-7	13x75-100	36	60	92	64	-	-
	2,6-4,9	13x81-106	36	60	92	64	-	-
	1,2-5	11x82-108	36	60	92	64	-	-
	4-8,5	15x91-108	36	48	72	32	-	-
	7-10	16x100	36	48	72	32	-	-
	10	21x90	20	28	44	-	-	-
	15	17x120	24	28	44	20	-	-
	30	25x110	8	16	20	-	-	-
	30	25x110	8	16	20	-	-	-
	30	25x95	8	20	28	-	-	-
	50	29x115	8	12 16*	16 20*	-	-	-
	50	29x115	8	12 16*	16 20*	12	-	-
	50	29x107	8	12	20	-	-	-

* Unsealed



LISA ACCESSORIES	AFI-RX290	AFI-RX400	AFI-RX625			AFI-RHDW
LISA ACCESSORIES	AFI-B290	AFI-B400	AFI-B625	AFI-DB500C	AFI-BXDW	AFI-BHDW
Max Capacity (ml)	4x290	4x400	4x625	4x500	8 Microplates	10 Microplates
Max Charge (gr)	380	560	750	700	725	725
Max Speed (rpm)	5 100	5 100	5 100	5 100	5 100	5 100
Max RCF (g)	5 234	5 234	5 351	5 816	4 420	4 536
Cavity dim (ØxD) or (WxLxD)	Ø64,5x99	Ø76,5x96	Ø94x85	Ø97x100	93x131x19	91x132x59
Lid	✓	✓	✓	✓	✓	✓
LORENA Compatible*	✓	✓	✓	✓	✓	✓
Acc Dec (s)	41 45	41 45	72 67			68 66

* Compatible with the maximum speed written above the rotor.

Bottles	ml	Ø x L	AFI-B290	AFI-B400	AFI-B625	AFI-DB500C	AFI-BXDW	AFI-BHDW
	80 OAK	38x106	4	4	12	-	-	-
	85 OAK	38x106	4	4	12	-	-	-
	100	45x100	4	4	4	-	-	-
	150 FALCON	61x118	4	4	4	-	-	-
	200 FALCON	61x138	4	4	4	-	-	-
	200 AFI-B-PPCO200C	56x118	4	4	4	-	-	-
	200 NUNC/NALGENE	60x130	4	4	4	-	-	-
	200 AFI-B-PPCO200F	56x112	4	4	4	-	-	-
	250 CORNING	60x163	-	-	-	4*	-	-
	250 AFI-B-PPCO250F	62x122	4	4	4	-	-	-
	290 AFI-B-PPCO290F	62x137	4*	4*	4	-	-	-
	500 CORNING	96x148	-	-	-	4	-	-
	625 AFI-B-PPCO625F	92x130	-	-	4	-	-	-
	750 AFI-B-PPCO750FB	100x130	-	-	-	-	-	-
	Micro Plates		-	-	-	-	16*	10
	Deep Well		-	-	-	-	4*	2

AFI-RX290

Adapters selection guide

Model	V*	R
Max Capacity	4 x 290ml	
Angle	90°	
RPM Max	4 500	5100 **
ACR Max	4 075	5 234

Accessories

Ref.	AFI-RX290	AFI-B290	AFI-L290*
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*Bucket lids are highly recommended with ventilated model
 **5500 Rpm can be reach in option. Standard model are going to 5100 Rpm

Tubes

Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-7	2,6-4,9	1,2-5	4-8,5	7-10	10 CPT
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75 100	13x81 106	11x82 108	15x91 108	16x100	16x125
Tubes per adapter / rotor	16 64	18 72	15 60	19 76	9 36		15 60		9 36	1 4

Adapter

Hole Ø x L (mm)	9x50	11,25x40	13x30	11x40	13,5x58	12,5x55	17x58	17x58		
Radius	180	178	120 175	118	170	175	175	175		
Max Charge (gr)	380									

Ref.	AFI-09T1	AFI-09T2	AFI-09T2CRYO	AFI-09T1.3	AFI-09T5*	AFI-06T5ST*	AFI-09T10
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* For tube length > 80mm and ACR > 3000g, we preconise using adapter AFI-09T6 or AFI-09T63

Tubes

Capacity (ml)	10	15	15	30	30	50	50	50	50	80 / 85
Ø x L (mm)	21x90	17x120	17x120	25x110	25x110	29x115	29x115	29x115	29x107	38x106
Tubes per adapter / rotor	5 20	6 24	7 28	2 8	2 8	2 8	2 8	2 8	2 8	1 4

Adapter

Hole Ø x L (mm)	22x80	18x80	18x80	26x60	26x60	30x70	30x70	30x70	30x70	40x78
Radius	180	178	180	175	180	170	170	180	178	178
Max Charge (gr)	380									

Ref.	AFI-09T10C	AFI-09T15C	AFI-09T15ST	AFI-09T30S	AFI-09T30C	AFI-09T50SL	AFI-09T50CSL*	AFI-09T50CL	AFI-09T50AOR	AFI-09T80AOR
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* For protocols < 3500g

Tubes

Capacity (ml)	100	150	200	200	200	200	250	290
Ø x L (mm)	44x100	61x118	61x138	56x118	60x130	56x112	62x122	62x137
Tubes per adapter / rotor	1 4	1 4		1 4	1 4	1 4	1 4	

Adapter

Hole Ø x L (mm)	46x80	62x80	58x80	62x80	58x80	64x80		
Radius	180	178	179	179	179	180		
Max Charge (gr)	380							

Ref.	AFI-09T100R	AFI-09T200CF	AFI-09T200C	AFI-09T200CN	AFI-09T200F	-
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* unsealed

AFI-RX400

Adapters selection guide

Model	V*	R
Max Capacity	4 x 400ml	
Angle	90°	
RPM Max	4 500	5 100
ACR Max	4 075	5 234

Accessories

Ref.	AFI-RX400	AFI-B400	AFI-L400*
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*Bucket lids are highly recommended with ventilated model for optimum performance

Tubes

Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-7	2,6-4,9	1,2-5	4-8,5	7-10	10 CPT
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75 100	13x81 106	11x82 108	15x91 108	16x100	16x125
Tubes per adapter / rotor	22 88	30 120	15 60	22 88	15 60		19 76	12 48	16x125	3 12

Adapter

Hole Ø x L (mm)	9x50	11,25x40	13x30	11x40	13,5x58	12,5x55	17x58	17x58		
Radius	180	178	120 175	170	178	175	178	178		
Max Charge (gr)	560									

Ref.	AFI-1T1	AFI-1T2	AFI-1T2CRYO	AFI-1T1.3	AFI-1T5*	AFI-1T5ST*	AFI-1T10
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* For tube length > 80mm and ACR > 3000g, we preconise using adapter AFI-1T6 or AFI-1T63

Tubes

Capacity (ml)	10	15	15	30	30	50	50	50	50	50
Ø x L (mm)	21x90	17x120	17x120	25x110	25x110	29x115	29x115	29x115	29x115	29x115
Tubes per adapter / rotor	7 28	7 28	8 32	4 16	4 16	4 16	3 12	3 12	3 12	4 16

Adapter

Hole Ø x L (mm)	22x80	18x80	18x80	26x60	26x60	30x70	30x70	30x70	30x70	30x70
Radius	180	180	180	177	177	177	178	177	180	177
Max Charge (gr)	560									

Ref.	AFI-1T10C	AFI-1T15C	AFI-1T15ST	AFI-1T30S	AFI-1T30C	AFI-1T50S	AFI-1T50SL	AFI-1T50CSL*	AFI-1T50CL	AFI-1T50C
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* For protocols < 3500g

Tubes

Capacity (ml)	50	80 / 85	100	150	200	200	200	200	250	290
Ø x L (mm)	29x107	38x106	45x100	61x118	61x138	56x118	60x130	56x112	62x122	62x137
Tubes per adapter / rotor	3 12	1 4	1 4	1 4	1 4	1 4	1 4	1 4	1 4	

Adapter

Hole Ø x L (mm)	30x70	40x78	46x80	62x80	58x80	62x80	58x80	64x80		
Radius	178	178	178	180	178	180	178	178		
Max Charge (gr)	560									

Ref.	AFI-1T50AOR	AFI-1T80AOR	AFI-1T100R	AFI-1T200CF	AFI-1T200C	AFI-1T200CN	AFI-1T200F	AFI-1T290F
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* unsealed

AFI-RX625

Adapters selection guide

Model	V*	R
Max Capacity	4 x 625ml	
Angle	90°	
RPM Max	4 500	5 100
ACR Max	4 528	5 816

Accessories

Ref.	AFI-RX625	AFI-B625	AFI-BXDW	AFI-DB500C	AFI-L625*	AFI-HLD-DB500C
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*Bucket lids are highly recommended with ventilated model for optimum performance

Tubes

Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-7	2,6-4,9	1,2-3	4-8,5	7-10	10 CPT
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75 100	11x82	11x82	15x91 108	16x100	16x125
Tubes per adapter / rotor	23 92	23 184	23 92	30 120	23 92	32 128	19 76	16x125	7 28	7 28
Adapter										
Hole Ø x L (mm)	9x50	11,25x40	13x30	11x40	13,5x58	12,5x55	17x58	17x58	17x58	17x58
Radius	184	122 177	134	174	182	179	182	182	182	178
Max Charge (gr)	750									
Ref.	AFI-2T1	AFI-2T2	AFI-2T2CRYO	AFI-2T1.3	AFI-2T5*	AFI-2T5S*	AFI-2T10			

* For tube length > 80mm and ACR > 3000g, we preconise using adapter AFI-2T6 or AFI-2T6S1

Tubes

Capacity (ml)	10	15	15	30	30	50	50	50	50	50
Ø x L (mm)	21x90	17x120	17x120	25x110	25x110	29x115	29x115	29x115	29x115	29x115
Tubes per adapter / rotor	11 44	11 44	15 60	5 20	5 20	5 20	4 16	4 16	4 16	5 20
Adapter										
Hole Ø x L (mm)	22x80	18x80	18x80	26x60	26x60	30x70	30x70	30x70	30x70	30x70
Radius	184	184	184	181	184	182	182	182	184	184
Max Charge (gr)	750									
Ref.	AFI-2T10C	AFI-2T15C	AFI-2T15S	AFI-2T30S	AFI-2T30C	AFI-2T50S	AFI-2T50SL	AFI-2T50CL	AFI-2T50CL	AFI-2T50C

* For protocols < 3500g

Tubes

Capacity (ml)	50	80 / 85	100	150 200	200	200	250	290	625
Ø x L (mm)	29x107	38x106	44x100	61x118 138	56x118	60x130	56x112	62x122	92x130
Tubes per adapter / rotor	5 20	3 12	1 4	1 4	1 4	1 4	1 4	1 4	1 4
Adapter									
Hole Ø x L (mm)	30x70	40x78	46x80	62x80	58x80	62x80	58x80	64x80	94x85
Radius	184	182	182	182	182	182	182	182	184
Max Charge (gr)	750								
Ref.	AFI-2T50AOR	AFI-2T80AOR	AFI-2T100R	AFI-2T200CF	AFI-2T200C	AFI-2T200CN	AFI-2T200F	AFI-2T290F	-

Different configurations available



Accessories

Ref.	AFI-RX625	AFI-B625	AFI-BXDW	AFI-DB500C	AFI-L625*	AFI-HLD-DB500C
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*Bucket lids are highly recommended with ventilated model

Tubes

Capacity (ml)	1,6-7	2,6-4,9	1,2-3	4-8,5	7-10	15	50	250	500
Ø x L (mm)	13x75 100	13x81 106	11x82 108	15x91 108	16x100	17x120	29x115	60x163	96x148
Tubes per adapter / rotor	16 64	11x82 108	8 32	15x91 108	16x100	5 20	3 12	1 4	1 4
Adapter									
Hole Ø x L (mm)	13,5x58	17,5x58	17,5x78	30x78	62x103	97x103	198	200	200
Radius	156	162	170	170	198	200			
Max Charge (gr)	700								
Ref.	AFI-500CR5	AFI-500CR10	AFI-500CR15C	AFI-500CR50C	AFI-500CR250C	AFI-500CR500C			

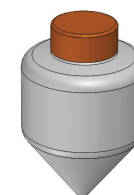
Tubes

Capacity (ml)	-	-
Ø x L (mm)	-	-
Tubes per adapter / rotor	4 16	1 4
Adapter		
Hole Ø x L (mm)	-	-
Radius	152	152
Max Charge (gr)	725	725
Ref.	AFI-BXDW	AFI-BXDW

Big bottles in a compact centrifuge



Corning 250ml



Corning 500ml

MICROPLATES
Accessories selection guide

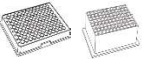
AFI-RX625 + AFI-BXDW : 16 MICROPLATES

Model	V	R
Max Capacity	-	-
Angle	90°	-
RPM Max	4 500	5 100
ACR Max	3 441	4 420

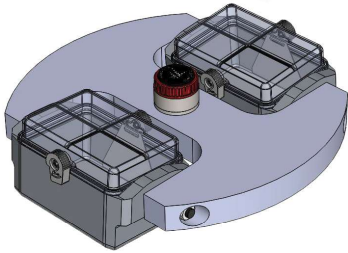
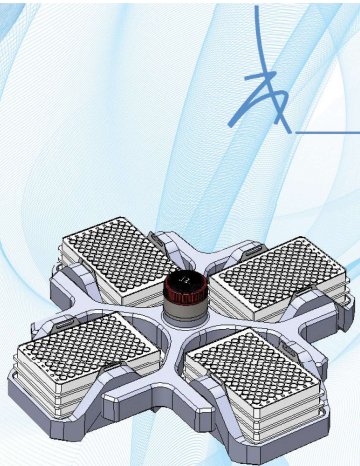
				
Microplate				
Capacity (ml)	-	-	-	-
Max Height (mm)	-	55	55	-
Tubes per adapter / rotor	-	4 16	1 4	-
Accessories				
				
Hole Ø x L (mm)	-	-	-	-
Radius	152	-	152	-
Max Charge (gr)	-	-	725	-
Ref.	AFI-RX625	AFI-BXDW		

AFI-RHDW + AFI-BHDW : 10 MICROPLATES SEALED

Model	V	R
Max Capacity	-	-
Angle	90°	-
RPM Max	4 500	5 100
ACR Max	3 532	4 536

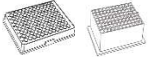
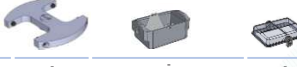
				
Microplate				
Capacity (ml)	-	-	-	-
Max Height (mm)	-	75	75	75
Tubes per adapter / rotor	-	5 10	1 2	-
Accessories				
				
Hole Ø x L (mm)	-	-	-	-
Radius	156	-	156	-
Max Charge (gr)	-	-	725	-
Ref.	AFI-RHDW	AFI-BHDW*	AFI-LH	

* Set of 2

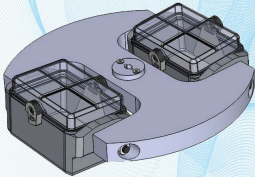


AFI-RHDW-SP + AFI-BHDW : 10 MICROPLATES SEALED & HIGH SPEED

Model	R
Max Capacity	-
Angle	90°
RPM Max	5 900
ACR Max	6 071

				
Microplate				
Capacity (ml)	-	-	-	-
Max Height (mm)	-	80	80	75
Tubes per adapter / rotor	-	5 10	1 4	-
Accessories				
				
Hole Ø x L (mm)	-	-	-	-
Radius	156	-	156	-
Max Charge (gr)	-	-	725	-
Ref.	AFI-RHDW-SP	AFI-BHDW*	AFI-LH	

* Set of 2



FIXED ANGULAR ROTORS

Accessories selection guide



LISA ACCESSORIES	AFI-RA8-50CSL	AFI-RA6-100	AFI-RA8-100L	AFI-RA12-50L	AFI-RA14-15L	AFI-FA8-50	AFI-RA8-50	AFI-RA8-50L	AFI-RA30-15
Max Capacity (ml)	8x50	6x100	8x100	12x50	14x15	8x50	8x50	8x50	30x15
Max Speed (rpm)	13 500	14 000	14 000	10 100	TBC	7 600	12 200	13 500	5 100
Max RCF (g)	20 783	23 228	25 200	11 633	TBC	9 105	16 973	20 783	4 100
Lid	✓	✓	✓	✓	✓	✓	✓	✓	✓
LORENA Compatible*	✓	✓	✓	✓	✓	✓	✓	✓	✓
Acc Dec (s)		89 138					64 129	70 169	41 75

* Compatible with the maximum speed written above the rotor.

Tubes	ml	Ø x L									
	1,1-1,4	8x82	24	12	16	36		24	24	24	-
	1,5-2	11x38	24	24	32	36		24	24	24	-
	1,5-2	12,5x40	24	24	32	36		24	24	24	-
	1,3	10x45	24	30	40	12		24	24	24	-
	1,6-5	13x75	8	12	16	12	14	8	8	8	10
	2,6-4	13x81-91	8	12	16	12		8	8	8	-
	2,7-3	11x82	24	30	40	36		24	24	24	-
	5-7	13x100	8	12	16	12	14	8	8	8	-
	2,6-4,9	13x106	8	12	16	12		8	8	8	-
	1,2-5	11x108	8	6	8	12		8	8	8	-
	10	21x90	8	6	8	12		8	8	8	-
	4-5	15x91	8	12	16	12	14	8	8	8	-
	7-10	16x100	8	12	16	12	14	8	8	8	30
	5-8,5	15x108	8	6	8	12		8	8	8	-
	10 OAK	16x85	8	6	8	12		8	8	8	-
	15	17x120	8	6	8	12	14	8	8	8	30
	30	25x110	8	6	8	12		8	8	8	-
	30	25x110	8	6	8	12		8	8	8	-
	30 OAK	25x95	8	6	8	12		8	8	8	-
	50	29x115	8	6	8	12		8	8	8	-
	50 OAK	29x107	8	6	8	12		8	8	8	-
	80 OAK 85 OAK	38x106	-	6	8	-		-	-	-	-



LISA ACCESSORIES	AFI-RA16-5	AFI-RA48-2	AFI-RA30-2	AFI-RA24-2
Max Capacity (ml)	16x5	48x2	30x2	24x2
Max Speed (rpm)	13 200	15 500	16 000	18 000
Max RCF (g)	21 038	27 129	28 335	31 514
Lid	✓	✓	✓	✓
LORENA Compatible*	✓	✓	✓	✓
Acc Dec (s)	36 93	57 106	42 75	41 73

* Compatible with the maximum speed written above the rotor.

Micro Tubes	ml	Ø x L				
	0,2-0,25	6x18	16	48	30	24
	0,5	8x30	16	48	30	24
	1,5-2	11x38	16	48	30	24
	5	16,5x60	16	-	-	-
	2 SPIN COLUMN	11x38	16	-	-	-

FIXED ANGULAR ROTORS

Accessories selection guide

Angular rotor Click Spin Lid (CSL)
8x50ml - Biological containment

Model	V	R
Max Capacity	8x 50ml	
Angle	25°	
RPM Max	12 200	13 500
ACR Max	16 973	20 783

Accessories

Ref.	AFI-RA8-50CSL
------	---------------

Tubes

Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5	10
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75	13x81 91	11x82	13x100	13x106	11x108	21x90
Tubes per adapter / rotor	3 24	3 24	3 24	3 24	1 8		3 24	1 8	1 8	1 8	1 8

Adapter

Hole Ø x L (mm)	9x50	11,25x40	13x30	11x40	13,5x58		12,5x55	13,5x78	13,5x78	12,5x80	22x80
Radius	83 97	74 88	71 85	69 82	87		80 90	95	95	95	95
Ref.	AFI-50R1-2	AFI-50R2-2	AFI-50R2CRYO-2	AFI-50R1.3-2	AFI-50RS-2		AFI-50RSST-2	AFI-50R7-2	AFI-50R7-2	AFI-50R6ST-2	AFI-50R10C-2

Tubes

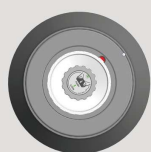
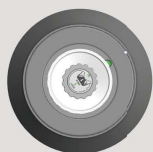
Capacity (ml)	4-8,5	7-10	10	15	30	30	30	50	50
Ø x L (mm)	15x91 108	16x100	16x85	17x120	25x110	25x110	25x95	29x115	29x107
Tubes per adapter / rotor	1 8		1 8	1 8	1 8	1 8	1 8	1 8	1 8

Adapter

Hole Ø x L (mm)	17x78	17x70	18x80	26x60	26x60	26,5x70	30x70	30x70	30x70
Radius	95	85	97	99	95	98	102	101	101
Ref.	AFI-50R10-2	AFI-50R10-OAK-2	AFI-50R15C-2	AFI-50R30S-2	AFI-50R30C-2	AFI-50R30-OAK-2	-	AFI-50RS5-OAK-2	AFI-50RS5-OAK-2

The only Biological containment rotor that cannot be used **without its lid**
If the Rotor lid is missing, the AFI centrifuge will NOT START

1 => Biological safety guarantee



2 => Visual indicator to secure the biological containment

FIXED ANGULAR ROTORS

Accessories selection guide

Angular rotor 6x100ml - 28°

Model	V	R
Max Capacity	6 x 100ml	
Angle	28°	
RPM Max	10 300	13 000
ACR Max	12 573	20 028

Accessories

Ref.	AFI-RA6-100
------	-------------

Tubes

Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75	13x81 91	11x82	13x100	13x106	11x108
Tubes per adapter / rotor	2 12	4 24	4 24	5 30	2 12		5 30	2 12		1 6

Adapter

Hole Ø x L (mm)	9x50	11,25x40	13x30	11x40	13,5x58		12,5x55	13,5x78	13,5x78	12,5x80
Radius	87 103	83 104	83 104	90 110	87 103		89 111	87 103	87 103	108
Ref.	AFI-100R1-2	AFI-100R2-2	AFI-100R2CRYO-	AFI-100R1.3-2	AFI-100R5-2		AFI-100RSST-2	AFI-100R7-2	AFI-100R7-2	AFI-100R6ST-2

Tubes

Capacity (ml)	10	4-5	7-10	5-8	10	15	30	30	30	50
Ø x L (mm)	21x90	15x91	16x100	15x108	16x85	17x120	25x110	25x110	25x95	29x115
Tubes per adapter / rotor	1 6	2 12		1 6	1 6	1 6	1 6	1 6	1 6	1 6

Adapter

Hole Ø x L (mm)	22x80	17x78	17x80	17x70	18x80	26x60	26x60	26,5x70	30x70
Radius	95	87 103	107	87 103	95	96	96	94	101
Ref.	AFI-100R10C-2	AFI-100R10-2	AFI-100R10ST-2	AFI-100R10-OAK-2	AFI-100R15C-2	AFI-100R30S-2	AFI-100R30C-2	AFI-100R30-OAK-	AFI-100R50C-2

Tubes

Capacity (ml)	50	80	85	94
Ø x L (mm)	29x107	38x106	38x106	38x102
Tubes per adapter / rotor	1 6	1 6	1 6	1 6

Adapter

Hole Ø x L (mm)	30x70	39x68	39x86
Radius	98	103	106
Ref.	AFI-100R50-OAK-	-	-

FIXED ANGULAR ROTORS

Accessories selection guide

Angular rotor 8x100ml - 28° - Sealed

Model	V	R
Max Capacity	8 x 100ml	
Angle	28°	
RPM Max	10 300	14 000
ACR Max	13 640	25 200

Accessories

Ref.	AFI-RA8-100L
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Tubes										
Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75	13x81 91	11x82	13x100	13x106	11x108
Tubes per adapter / rotor	2 16	4 32	4 32	5 40	2 16	5 40	5 40	2 16	13x106	11x108
Adapter										
Hole Ø x L (mm)	9x50	11,25x40	13x30	11x40	13,5x58	12,5x55	13,5x78	12,5x80		
Radius	115	95 111	93 114	98 113	95 111	98 113	95 111	113		
Ref.	AFI-100R1-2	AFI-100R2-2	AFI-100R2CRYO-2	AFI-100R1.3-2	AFI-100R5-2	AFI-100R5ST-2	AFI-100R7-2	AFI-100R6ST-2		

Tubes										
Capacity (ml)	10	4-5	7-10	5-8	10	15	30	30	30	50
Ø x L (mm)	21x90	15x91	16x100	15x108	16x85	17x120	25x110	25x110	25x95	29x115
Tubes per adapter / rotor	1 8	2 16	1 8	1 8	1 8	1 8	1 8	1 8	1 8	1 8
Adapter										
Hole Ø x L (mm)	22x80	17x78	17x80	17x70	18x80	26x60	26x60	26,5x70	30x70	
Radius	115	118	105 111	111	105 111	103	104	104	102	109
Ref.	AFI-100R10C-2	AFI-100R10-2	AFI-100R10ST-2	AFI-100R10-2	AFI-100R10-2	AFI-100R10-2	AFI-100R10-2	AFI-100R10-2	AFI-100R10-2	AFI-100R10-2

Tubes				
Capacity (ml)	50	80	85	94
Ø x L (mm)	29x107	38x106	38x106	38x102
Tubes per adapter / rotor	1 8	1 8	1 8	1 6
Adapter				
Hole Ø x L (mm)	30x70	39x68		39x86
Radius	115	109	115	106
Ref.	AFI-100R50-OAK	-	-	-

Angular rotor 12x50ml - 35° - Sealed

Model	V	R
Max Capacity	12 x 50ml	
Angle	35°	
RPM Max	10 100	10 100
ACR Max	11 633	11 633

Accessories

Ref.	AFI-RA12-50L
------	--------------

Tubes											
Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5	10
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75	13x81 91	11x82	13x100	13x106	11x108	21x90
Tubes per adapter / rotor	3 36	3 36	3 36	3 36	13x75	13x81 91	3 36	1 12	1 12	1 12	1 12
Adapter											
Hole Ø x L (mm)	9x50	11,25x40	13x30	11x40	13,5x58	12,5x55	13,5x78	13,5x80	12,5x80	22x80	
Radius	136	85 99	76 90	72 87	70 84	89	81 95	97	97	97	97
Ref.	AFI-50R1-2	AFI-50R2-2	AFI-50R2CRYO-2	AFI-50R1.3-2	AFI-50R5-2	AFI-50R5ST-2	AFI-50R7-2	AFI-50R5ST-2	AFI-50R7-2	AFI-50R6ST-2	AFI-50R10C-2

Tubes										
Capacity (ml)	4-8,5	7-10	10	15	30	30	30	50	50	50
Ø x L (mm)	15x91 108	16x100	16x85	17x120	25x110	25x110	25x95	29x115	29x115	29x107
Tubes per adapter / rotor	1 12	1 12	1 12	1 12	1 12	1 12	1 12	1 12	1 12	1 12
Adapter										
Hole Ø x L (mm)	17x78	17x70	18x80	26x60	26x60	26,5x70	30x70	30x70	30x70	30x70
Radius	136	97	87	89	101	97	100	102	102	102
Ref.	AFI-50R10-2	AFI-50R10-OAK-2	AFI-50R15C-2	AFI-50R30S-2	AFI-50R30C-2	AFI-50R30-OAK-2	AFI-50R50S-2	AFI-50R50S-2	AFI-50R50S-2	AFI-50R50S-2

* Set of 8

FIXED ANGULAR ROTORS

Accessories selection guide

Angular rotor 14x 15ml -28°

Model	V	R
Max Capacity	14x 15mL	
Angle	28°	
RPM Max	TBC	TBC
ACR Max	TBC	TBC

Accessories

Ref.	AFI-RA14-15L
------	--------------

Tubes

Capacity (ml)	1,6-5	5-7	7-10	15
Ø x L (mm)	13x75	13x100	16x100	17x120
Tubes per adapter / rotor	1 14	1 14	1 14	1 14

Adapter

Hole Ø x L (mm)	93	105	105	112
Radius	112	93	105	112

Ref.	AFI-15CS	AF-15C7	AFI-15C10	-
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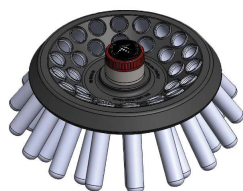


Visual LOCK
for PERFECT
lid closure



Angular rotor 30x15ml - 37°

Model	V	R
Max Capacity	30 x 15ml	
Angle	37°	
RPM Max	4 500	4 600
ACR Max	3 192	3 336



Tubes

Capacity (ml)	-	5	1,6-5	5-7	10	14	15
Ø x L (mm)	-	12x75	13x75	13x100	16x100	17x100	17x120
Tubes per adapter / rotor	-	1 30	1 30	1 30	1 30	1 30	1 30

Accessories

Hole Ø x L (mm)	18x98	13x60	13x 58	13x78	17x78	17x78	18x98
Radius	122 141	96 115	96 115	108 127	110 129	118 136	118 136
Ref.	AFI-RA30-15	AFI-15R5G	AFI-15R5	AFI-15R6	AFI-15R10	AFI-15R10	AFI-15R15C

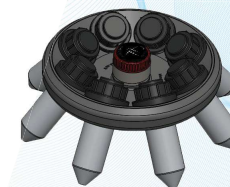


Angular rotor 8x50ml - 40° - Sealed

Model	V	R
Max Capacity	8x 50ml	
Angle	40°	
RPM Max	6 700	7 600
ACR Max	7 076	9 105

Accessories

Ref.	AFI-FAS-50
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Tubes

Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5	10
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75	13x81 91	11x82	13x100	13x106	11x108	21x90
Tubes per adapter / rotor	3 24	3 24	3 24	3 24	1 8	3 24	1 8	1 8	1 8	1 8	1 8

Adapter

Hole Ø x L (mm)	9x50	11,25x40	13x30	11x40	13,5x58	12,5x55	13,5x78	13,5x78	12,5x80	22x80
Radius	141	122 136	113 127	108 121	126	119 132	134	134	134	134

Ref.	AFI-50R1-2	AFI-50R2-2	AFI-50R2CRYO-2	AFI-50R1.3-2	AFI-50R5-2	AFI-50R5ST-2	AFI-50R7-2	AFI-50R7-2	AFI-50R6ST-2	AFI-50R10C-2
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Tubes

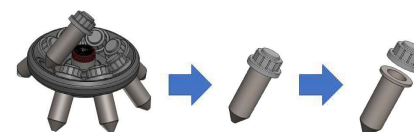
Capacity (ml)	4-8,5	7-10	10	15	30	30	30	50	50
Ø x L (mm)	15x91 108	16x100	16x85	17x120	25x110	25x110	25x95	29x115	29x107
Tubes per adapter / rotor	1 8	1 8	1 8	1 8	1 8	1 8	1 8	1 8	1 8

Adapter

Hole Ø x L (mm)	17x78	17x70	18x80	26x60	26x60	26,5x70	30x70	30x70
Radius	141	124	136	138	134	137	141	140

Ref.	AFI-50R10-2	AFI-50R10-OAK-2	AFI-50R15C-2	AFI-50R30S-2	AFI-50R30C-2	AFI-50R30-OAK-2	AFI-50R50-OAK-2
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Ideal for your sensitive samples
Individually removable, sealed adapters.
Guaranteed safety throughout your analysis protocol,
before, during and after centrifugation



FIXED ANGULAR ROTORS

Accessories selection guide

Angular rotor 8x50ml - 25°

Model	V	R
Max Capacity	8 x 50ml	
Angle	25°	
RPM Max	12 200	12 200
ACR Max	16 973	16 973



Accessories

Ref.	AFI-RAS-50
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Tubes

Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5	10
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75	13x81 91	11x82	13x100	13x106	11x108	21x90
Tubes per adapter / rotor	3 24	3 24	3 24	3 24	1 8		3 24	1 8	1 8	1 8	1 8

Adapter

Hole Ø x L (mm)	9x50	11,25x40	13x30	11x40	13,5x58		12,5x55	13,5x78	13,5x78	12,5x80	22x80
Radius	83 97	74 88	71 85	69 82	87		80 90	95	95	95	95
Ref.	AFI-50R1-2	AFI-50R2-2	50R2CRYO-2	50R13-2	AFI-50R5-2		50R5ST-2	AFI-50R7-2	AFI-50R7-2	AFI-50R6ST-2	AFI-50R10C-2

Tubes

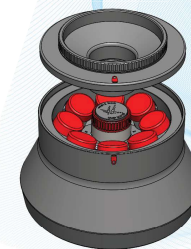
Capacity (ml)	4-8,5	7-10	10	15	30	30	30	50	50
Ø x L (mm)	15x91 108	16x100	16x85	17x120	25x110	25x110	25x95	29x115	29x107
Tubes per adapter / rotor	1 8		1 8	1 8	1 8	1 8	1 8	1 8	1 8

Adapter

Hole Ø x L (mm)	17x78	17x70	18x80	26x60	26x60	26,5x70	30x70	30x70	
Radius	95	85	97	99	95	98	102	102	#REF!
Ref.	AFI-50R10-2	AFI-50R10-OAK-2	AFI-50R15C-2	AFI-50R30S-2	AFI-50R30C-2	50R30-OAK-2	-	AFI-50R50-OAK-	

Angular rotor 8x50ml - 25° - Sealed

Model	V	R
Max Capacity	8x 50ml	
Angle	25°	
RPM Max	12 200	13 500
ACR Max	16 973	20 783



Visual LOCK
for PERFECT
lid closure



Accessories

Ref.	AFI-RAS-50L
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Tubes

Capacity (ml)	1,1-1,4	1,5-2	1,5-2	1,3	1,6-5	2,6-4	2,7-3	5-7	4,9	4,5-5	10
Ø x L (mm)	8x82	11x38	12,5x40	10x45	13x75	13x81 91	11x82	13x100	13x106	11x108	21x90
Tubes per adapter / rotor	3 24	3 24	3 24	3 24	1 8		3 24	1 8	1 8	1 8	1 8

Adapter

Hole Ø x L (mm)	9x50	11,25x40	13x30	11x40	13,5x58		12,5x55	13,5x78	13,5x78	12,5x80	22x80
Radius	83 97	74 88	71 85	69 82	87		80 90	95	95	95	95
Ref.	AFI-50R1-2	AFI-50R2-2	50R2CRYO-2	50R13-2	AFI-50R5-2		50R5ST-2	AFI-50R7-2	AFI-50R7-2	AFI-50R6ST-2	AFI-50R10C-2

Tubes

Capacity (ml)	4-8,5	7-10	10	15	30	30	30	50	50
Ø x L (mm)	15x91 108	16x100	16x85	17x120	25x110	25x110	25x95	29x115	29x107
Tubes per adapter / rotor	1 8		1 8	1 8	1 8	1 8	1 8	1 8	1 8

Adapter

Hole Ø x L (mm)	17x78	17x70	18x80	26x60	26x60	26,5x70	30x70	30x70	
Radius	95	85	97	99	95	98	102	102	#REF!
Ref.	AFI-50R10-2	AFI-50R10-OAK-2	AFI-50R15C-2	AFI-50R30S-2	AFI-50R30C-2	AFI-50R30-OAK-	-	AFI-50R50-OAK-	

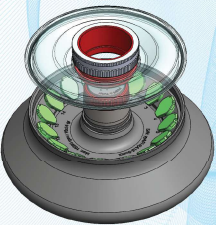
FIXED ANGULAR ROTORS
Accessories selection guide

Angular rotor 16x5ml - 45° - Sealed

Model	V	R
Max Capacity	16 x 5ml	
Angle	45°	
RPM Max	13 200	13 200
ACR Max	21 038	21 038

Tubes	5	0,2	0,25	0,5	2	2
Capacity (ml)	16,5x60	6x18		8x30	11x38	11x38
Ø x L (mm)						
Tubes per adapter / rotor	16	1 16	1 16	1 16	1 16	1 16
Accessories						
Hole Ø X L (mm)	17x57		7x39	8,3x39	11,2x41	11,2x39
Radius	108	79	80	82	95	95
Ref.	AFI-RA16-5	AFI-SR02*	AFI-SR025*	AFI-SR05	AFI-SR2	AFI-SR25C

* Set of 8

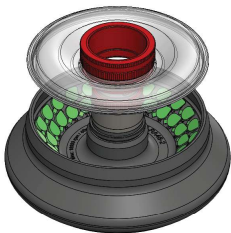


Angular rotor 48x2ml - 45° - Sealed

Model	V	R
Max Capacity	48 x 2ml	
Angle	45°	
RPM Max	14 000	15 500
ACR Max	22 132	27 129

Tubes	1,5-2	2	0,2	0,25	0,5	1,5-2
Capacity (ml)						
Ø x L (mm)	11x38		6x18		8x30	11x38
Tubes per adapter / rotor	48		1 48	1 48	1 48	48
Accessories						
Hole Ø X L (mm)	11,2x41			7x39	8,3x39	11,2x41
Radius	91 101		89 99	89 99	89 99	91 101
Ref.	AFI-RA48-2		AFI-2R02*	AFI-2R025*	AFI-2R05*	AFI-RA48-2 NUNC

Available for
NUNC tubes

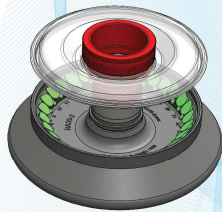


Angular rotor 30x2ml - 45° - Sealed

Model	V	R
Max Capacity	30 x 2ml	
Angle	45°	
RPM Max	15 300	16 000
ACR Max	25 910	28 335

Tubes	1,5-2	2	0,2	0,25	0,5
Capacity (ml)					
Ø x L (mm)	11x38		6x18		8x30
Tubes per adapter / rotor	30		1 30	1 30	1 30
Accessories					
Hole Ø X L (mm)	11,2x41			7x39	8,3x39
Radius	99		97	97	97
Ref.	AFI-RA30-2		AFI-2R02*	AFI-2R025*	AFI-2R05*

* Set of 6

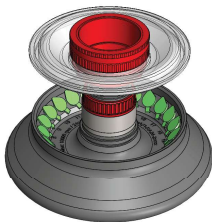


Angular rotor 24x2ml - 45° - Sealed

Model	V	R
Max Capacity	24 x 2ml	
Angle	45°	
RPM Max	15 300	18 000
ACR Max	22 769	31 514

Tubes	1,5-2	2	0,2	0,25	0,5
Capacity (ml)					
Ø x L (mm)	11x38		6x18		8x30
Tubes per adapter / rotor	24		1 48	1 48	1 48
Accessories					
Hole Ø X L (mm)	11,2x41			7x39	8,3x39
Radius	87		85	85	85
Ref.	AFI-RA24-2		AFI-2R02*	AFI-2R025*	AFI-2R05*

* Set of 6



Data sheet

Spécifications - Specifications						
Modèle - Model	Ventilé - Ventilated		Réfrigéré/Refrigerated		Réversible - Reversible	
Centrifugeuse de pailleasse Benchtop centrifuge						
Référence - Reference	AFI-C200V-E	AFI-C200V	AFI-C200R-E	AFI-C200R	AFI-C200RH-E	AFI-C200RH
Références IVD / IVD References*	AFI-C200V-E/IVD	AFI-C200V/IVD	AFI-C200R-E/IVD	AFI-C200R/IVD	AFI-C200RH-E/IVD	AFI-C200RH/IVD
Caractéristiques électriques - Electrical specifications						
Tension nominale - Nominal voltage (+/- 10%)	230V	120V	230V	120V	230V	120V
Fréquence - Frequency	50/60 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
Puissance alimentation max. - Power max.	900 W		2000 W (700W compressor)		2000 W (700W compressor)	
Conformité aux directives Européennes - Compliance with European directives						
(UE)2017/746: Dispositifs médicaux de diagnostic in vitro / In vitro diagnostic medical devices *Only for IVD References	✓		✓		✓	
2014/35/UE : Directive Basse Tension – Low Voltage Directive	✓		✓		✓	
2014/30/UE : Directive CEM - EMC directive	✓		✓		✓	
2012/19/CE : Directive DEEE - WEEE directive	✓		✓		✓	
2011/65/CE : Directive ROHS - ROHS Directive	✓		✓		✓	
IEC / EN61010-1 (2010) : Sécurité - Safety	✓		✓		✓	
IEC / EN61010-2-020 (2006) : Sécurité - Safety	✓		✓		✓	
IEC / EN61010-2-101 (2015) : Sécurité - Safety	✓		✓		✓	
EN61326-1(2013) : Compatib. électromagn. - EMC compatibility	✓		✓		✓	
EN55011 2009/A1 (2010) Classe A : Perturbations / Emissions	✓		✓		✓	
EN ISO 14971 (2012) : Gestion des risques - Risk management	✓		✓		✓	
ISO 9001 (2015) : Gestion des risques - Risk management	✓		✓		✓	
ISO 13485 (2016) : Gestion des risques - Risk management	✓		✓		✓	
Caractéristiques principales (voir brochure) - Main specifications (see brochure for full specification)						
	Capacité max. Max. capacity	Rotor AFI-RX625	4 x 625 ml			
	RPM max.		4500 rpm	5100 rpm (5500 rpm can be reach in option only with RX290)		
	ACR max Max. RCF		4528 g	5816 g		
	Capacité max. Max. capacity	Rotor AFI-RX625 Bucket AFI-BXDW	4x4 microplaques ; 4x1 plaques Deepwell 4x4 microplates ; 4x1 Deepwell plates			
	RPM max.		4500 rpm	5100 rpm		
	ACR max Max. RCF		3441 g	4420 g		
	Capacité max. Max. capacity	AFI-RA8-100L	8x 100 mL			
	RPM max.	AFI-RA24-2	15300 rpm	18000 rpm		
	ACR max Max. RCF	AFI-RA30-2	25910 g	31514 g		
Couvercle - Lid			✓			
Dimensions & poids - Dimensions & Weight						
Dimensions (HxLxI) - Foot print Dimensions (HxWxD)	34 x 46 x 56 cm		32 x 68 x 58 cm		32 x 68 x 58 cm	
Profondeur table - Table deep	55 cm		55 cm		55 cm	
Dimensions emballage (HxLxI) - Package dimension	50 x 74 x 55 cm		50 x 74 x 77 cm		50 x 74 x 77 cm	
Hauteur couvercle ouvert - Opened lid height	79 cm		80 cm		80 cm	
Poids net - Weight unpacked	71 Kg		110 Kg		110 Kg	
Poids emballé - Weight packed	86 kg		126 kg		126 kg	

Description de la centrifugeuse / Centrifuge description						
Référence - Reference	AFI-C200V-E	AFI-C200V	AFI-C200R-E	AFI-C200R	AFI-C200RH-E	AFI-C200RH
Ecran graphique tactile 4.3", couleur 4.3" graphic color screen				✓		
Commandes Commands				Touches et écran tactile Buttons and touchscreen		
Contrôle par microprocesseur Microprocessor control				✓		
Fixation de rotor sans outil Toolless rotor fixing				Système "ClickSpin®"		
Reconnaissance automatique du rotor Automatic rotor recognition				✓		
Détection de balourd Imbalance detection				Calibration ajustable (15g swing out et 3g rotors angulaires). Neutralisation automatique des vibrations liées à l'environnement. Tunable calibration (15g for swing out & 3g for angular rotors). Automatic neutralization of vibrations due to environment		
Mode économie d'énergie Energy saving mode				Mode "Postcool" désactivable Desactivable "Postcool" mode		
Fermeture motorisée du couvercle Motorized lid closing				✓		
Durées de cycle Cycle duration				10 s à 99h:59min:59s & Impulsion 10 s to 99h:59min:59 s & Pulse		
Unités de température Temperature units				°C / °F		
Chambre de centrifugation Centrifugation chamber				Inox		
Densité max. Max. density				1.2 g / cm³		
Moteur à induction sans charbon Brushless induction motor				✓		
Vitesse mini / Maxi Mini / Max Speed		300 / 15300 rpm 10 / 25910 rcf		300 / 18000 rpm 10 / 31 514 rcf		
Pas de réglage de la vitesse / Précision vitesse Speed setting step / Vitesse accuracy				10 rpm - 10x g / ± 0.5%		
Nombre de programmes Programs number		99		99+1	99 + 2	
Fonction Pulse Pulse (short run)				✓		
Pentes d'accélération & de freinage Acceleration & Braking slopes				10 & 10		
Décélération libre Brakeless mode				✓		
Système de réfrigération Cooling system		Ventilation Ventilation device		Sans CFC Without CFC		
Temps de montée de T° ambiante à 37°C Time to increase from ambient temp to 37°C		N/A		N/A	Ultra rapide < 9 min	
Temps de descente de T° ambiante à 4°C Time to decrease from ambient temp to 4°C		N/A		Ultra rapide < 6 min	Ultra rapide < 6 min	
Plage de réglage en température Range of setting temperature		N/A		-20°C → +40°C *	-20°C → +40°C *	
Echauffement de l'échantillon à 4000 rpm à T° ambiante 23°, après un cycle de 45 mn. (avec couvercle de nacelle) Sample heating at 4000 rpm, 23° ambient temperature, after a 45mn cycle (with bucket lid)		15°C* * Pour les vitesses > 4000 rpm, les protocoles doivent être validés. * For speeds > 4000 rpm, protocols must be validated		N/A		
Fonction de pré-refroidissement et préchauffage Precool function		N/A		4° C pré enregistré/registered	4° & 37°C pré enregistré/registered Pre cool function adjustable from 20°C to -10°C Pre-heating function adjustable from 20°C to 40°C	
Alarme de surtempérature différentielle Overtemperature alarm menu		N/A		Ajustable de +5° à +20°C Ajustable from +5° to +20°C		
Précision en température Temperature accuracy		N/A		+/- 2°C		
Dissipation de chaleur maximale Heat dissipation		3071 BTU/h		6824 BTU/h		
Niveau sonore max. Max. noise				≤ 55 dB(A)		