

AFI presents  
THE GENERATION

MULTILAB CENTRIFUGES 2,5L

*From Experience comes Excellence*



# LISA



2021





# AFI GROUPS

## UNIQUE FRENCH MANUFACTURER



AFI centrifuges of French design and manufacture, based in Château-Gontier in FRANCE, have been designed to meet the needs and the requirements of clinical analysis and biomedical research laboratories.

Offering a variety of different rotors and accessories, the user will have all solutions for the separation and preparation of samples available, whether from blood sampling in basic biological research, medical, pharmaceutical or cell culture.

Available in ventilated, refrigerated version, the AFI centrifuges are designed to be used with all tubes, flasks and bottles available on the market, as well as for preparations of samples on microplates.

The AFI centrifuges range covers the different clinical segments, Industry, Research without forgetting the machines dedicated to Large Capacity segment.

Thank you so much to all our distributors who, through their start-up and trust, have succeeded in promoting the AFI range in their countries. Today, I will be delighted to enlarge this great international team. Our doors are always open for you to come and discover our range of products made in France.

*Sincerely Yours*

Philippe LE GUYADER  
CEO



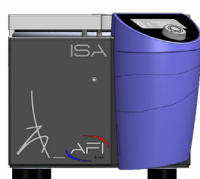
# RANGE



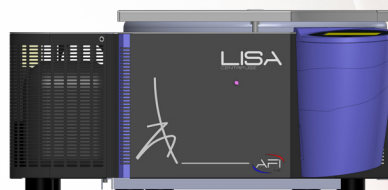
**LIA**  
Biology Centrifuges\*  
*Mini, Micro & Labo*



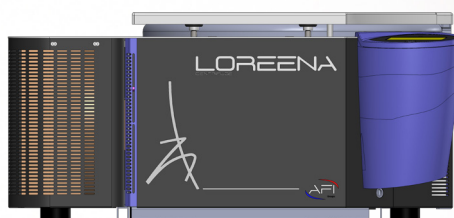
**SIRENA**  
Centrifuge [MultiLab](#)  
0.6 L



**ISA**  
Clinical Centrifuges  
0.6 L



**LISA**  
Centrifuge [MultiLab](#)  
1.0 L to 2.5 L



**LOREENA**  
Centrifuge [MultiLab](#)  
1.6 L to 4 L



**KATRINA**  
Large Capacity Centrifuge  
6 L to 8 L

**REGINA**  
Large Capacity Centrifuge  
12 L



## Innovation: The AFI product benefits

### Imbalance Detection

The Centrifuge automatically detects and stops if the rotor is not evenly loaded. You have the option to manually set tolerance levels.

### Robust Barrier Wall

Safe and durable. A 1/2 inch (13 mm) steel wall makes up the body of the centrifuge maximizing safety and laboratory footprint.

### Safety Lid Lock

Gently open and lock the centrifuge lid with an automatic locking mechanism to keep your laboratory safe during operation.



## Innovation: User friendly

Only AFI, with its large "smartphone" type colour touch screen, ensures interactive communication between the user and the machine

## Innovation: "As an aircraft black box"

The blue electronic module integrates the entire technological core of the AFI centrifuge, an ergonomic concept based on years of experience.

This concept makes it possible to minimize the electrical connections that are sources of breakdowns and problems in a centrifuge, AFI reliability.

This concept allows for quick and efficient interventions

This blue electronic module assures you, registers and secures all datas. It's your own black box.





## Quality: Optimize the repeatability of centrifugation



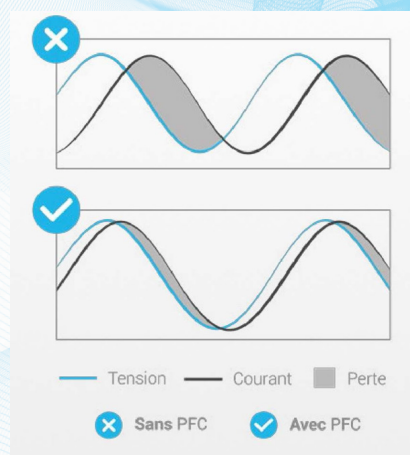
### Worldwide power supply compatibility

The PFC converter automatically corrects voltage and current differences from the supply. It prevents interference on the operation of nearby equipment. The voltage supply remains constant in components, which maximizes the lifetime of centrifuge components.



### 100 % guarantee results

The PFC automatically provides a constant and uniform voltage to the centrifuge drive, allowing perfect centrifugation repeatability. The user enjoys constant quality in separations and a high reliability of the results.



- Our centrifuges are fitted with the Power Factor Correction (PFC) system. It maximizes the power of the centrifuge and allows perfect centrifugation in repeatability.

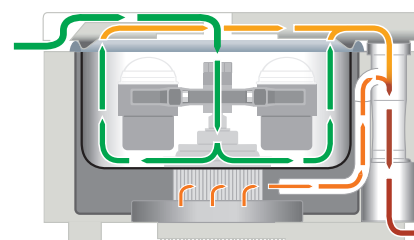
## Security : work at the right temperature

- Maintaining the proper temperature of a centrifuge chamber is a must when spinning cells, plasma, blood, and more.



### Maximum 37°C

The performance of the ventilation system on the ventilated model ensures a temperature below 37 °C in the centrifuge.



■ Ambient Temperature Air ■ Warm Exhausted Air



### 4°C at any speed, for any accessory

On the refrigerated model, the power of the refrigeration system ensures a temperature of 4°C with any accessory at any speed (select quick pre-cool or pre-cool programs). The treatment of your temperature sensitive samples is optimized.



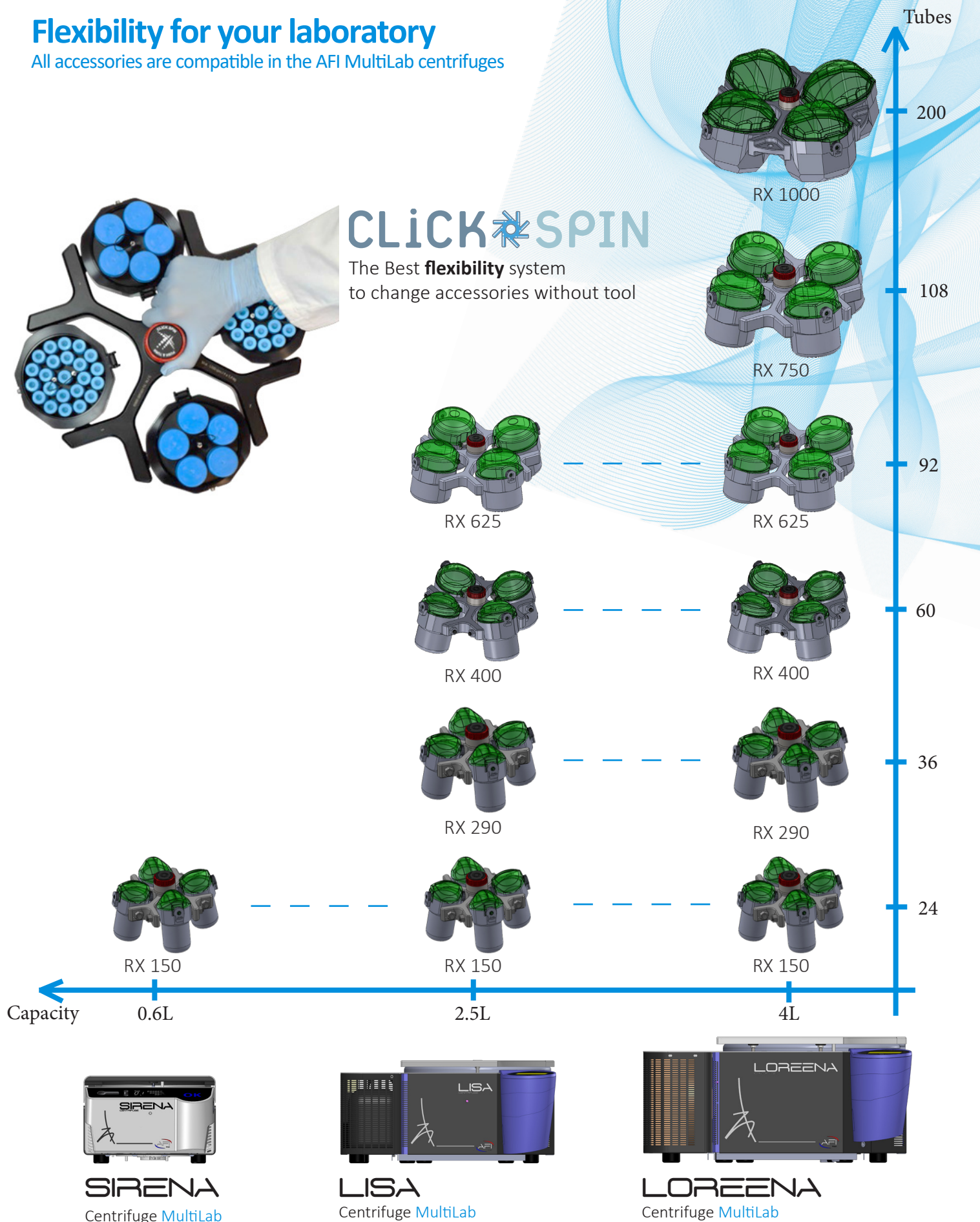
## Flexibility for your laboratory

All accessories are compatible in the AFI MultiLab centrifuges

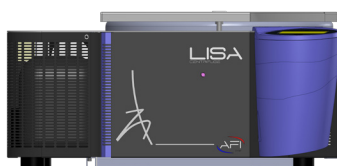


## CLiCK SPIN

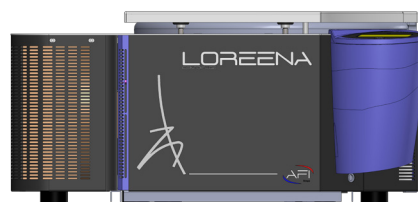
The Best **flexibility** system  
to change accessories without tool



**SIRENA**  
Centrifuge MultiLab



**LISA**  
Centrifuge MultiLab



**LOREENA**  
Centrifuge MultiLab

## Custom ADAPTER

Make the difference to win

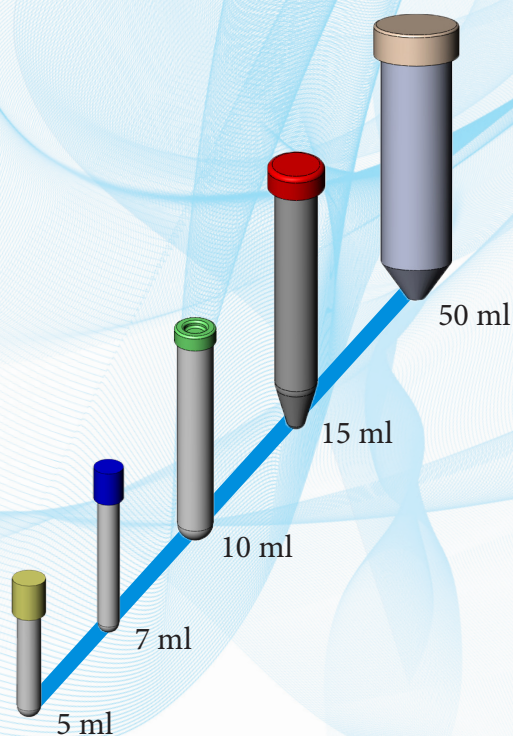


e.g : PARIS Hospital APHP  
2-7-10 ml  
ref: AFI-APHP-001

**STEP 1.** Make a list of the main tubes used by your customer.

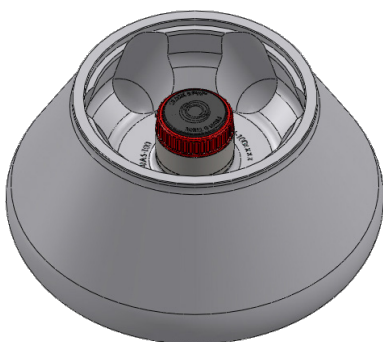
**STEP 2.** Rank the tubes from most used to least used.

**STEP 3.** AFI manufactures the adapter on demand, and makes it unique through custom branding.



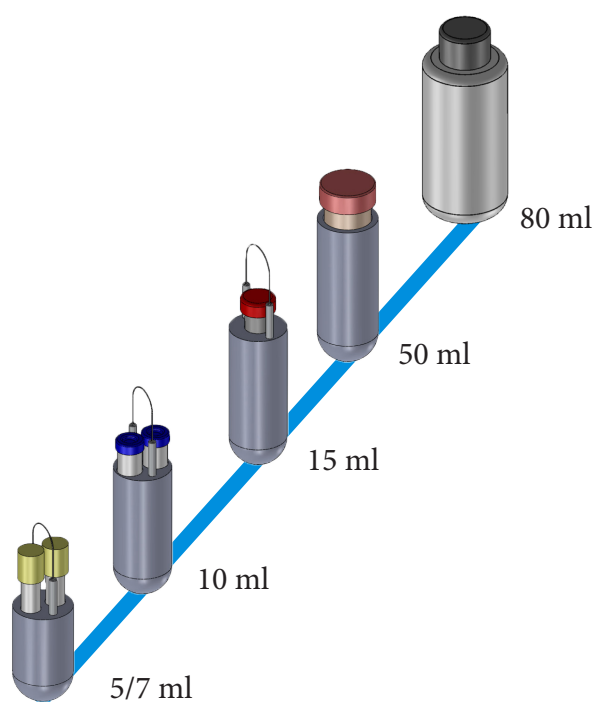
## Multi-tubes ROTOR

The good idea for your research laboratory



### Angular rotor 6x100ml - 28°

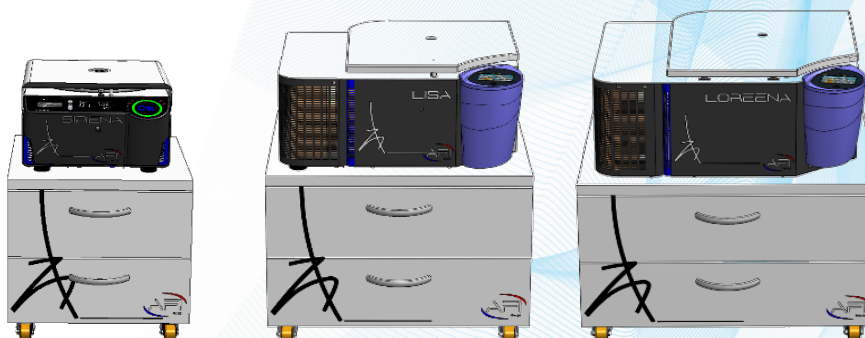
| Model        | V         | R      |
|--------------|-----------|--------|
| Max Capacity | 6 x 100ml |        |
| Angle        | 28°       |        |
| RPM Max      | 12 100    | 14 000 |
| ACR Max      | 17 351    | 23 228 |





## Furniture

We offer you a range of furniture dedicated to receive your centrifuges.  
The wide drawers allow you to place your accessories.  
The standardised dimensions allow you to optimise your layout.



| 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 |             |             |
| ISA V                 | ✓                                                                  |             |             |
| ISA R                 | ✓                                                                  |             |             |
| SIRENA                | ✓                                                                  |             |             |
| LISA V                | ✓                                                                  |             |             |
| LISA R                |                                                                    | ✓           |             |
| LOREENA V             |                                                                    | ✓           |             |
| LOREENA R             |                                                                    |             | ✓           |



## Notes



# LISA

*From Experience comes Excellence*



ROUTINE-LINE

Multilab Centrifuge  
Range 0.8L to 2.5L



## 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-C200RE** LISA Multifunction centrifuge Refrigerated

Specifications Swing-out rotor Angular Rotor

|              |             |          |
|--------------|-------------|----------|
| Max Speed    | 5100rpm     | 18000rpm |
| Max RCF      | 5816g       | 31514g   |
| Max Loading  | 4x625ml     | 6x100ml  |
| T° Range     | -10°C/+40°C |          |
| Dim. (HxWxD) | 32x68x63cm  |          |
| Pack dim.    | 54x74x55cm  |          |
| Weight       | 110kg       |          |

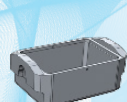
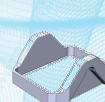
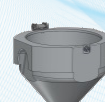


## Swinging bucket rotors

## 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   | Ø100x100   | 93x131x19     | 91x132x59      |
| Lid                         | ✓        | ✓        | ✓        | ✓          | ✓             | ✓              |
| LOREENA Compatible*         | ✓        | ✓        | ✓        | ✓          | ✓             | ✓              |

\* Compatible with the maximum speed written above the rotor.

| Tubes | ml      | Ø x L     |    |          |          |    |   |   |
|-------|---------|-----------|----|----------|----------|----|---|---|
|       | 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 |  |
|------------------|-----------|-----------|-----------|--|----------|--|
|------------------|-----------|-----------|-----------|--|----------|--|

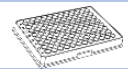
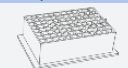


| LISA ACCESSORIES            | AFI-B290 | AFI-B400 | AFI-B625 | AFI-DB500C | AFI-BXDW      | AFI-BHDW       |
|-----------------------------|----------|----------|----------|------------|---------------|----------------|
| Max Capacity (ml)           | 4x290    | 4x400    | 4x625    | 4x500      | 8 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   | Ø100x100   | 93x131x19     | 91x132x59      |
| Lid                         | ✓        | ✓        | ✓        | ✓          | ✓             | ✓              |
| LOREENA Compatible*         | ✓        | ✓        | ✓        | ✓          | ✓             | ✓              |

\* Compatible with the maximum speed written above the rotor.

| Bottles                                                                             | ml                 | Ø x L  |    |    |    |    |   |   |
|-------------------------------------------------------------------------------------|--------------------|--------|----|----|----|----|---|---|
|    | 80 OAK             | 38x106 | 4  | 4  | 12 | -  | - | - |
|   | 85 OAK             | 45x100 | 4  | 4  | 4  | -  | - | - |
|  | 100 FALCON         | 61x118 | 4  | 4  | 4  | -  | - | - |
|  | 150 FALCON         | 61x138 | 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  | -  | - | - |

\* Unsealed

|                                                                                    |              |  |   |   |   |   |     |    |
|------------------------------------------------------------------------------------|--------------|--|---|---|---|---|-----|----|
|  | Micro Plates |  | - | - | - | - | 16* | 10 |
|  | Deep Well    |  | - | - | - | - | 4*  | 2  |



## AFI-RX290

## Adapters selection guide

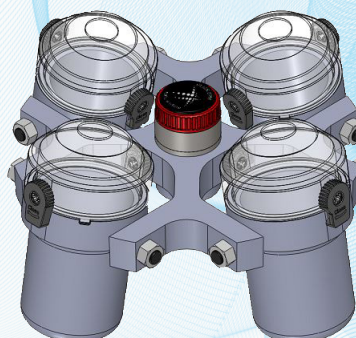
| Model        | V         | R     |
|--------------|-----------|-------|
| Max Capacity | 4 x 290ml |       |
| Angle        | 90°       |       |
| RPM Max      | 4 500     | 5 100 |
| ACR Max      | 4 075     | 5 234 |

## Accessories



| Ref. | AFI-RX290 | AFI-B290* | AFI-L290* |
|------|-----------|-----------|-----------|
|------|-----------|-----------|-----------|

\* Set of 4, possibility set of 2



## 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         |
|---------------------------|----------|----------|--------------|------------|-------------|-------------|-------------|-------------|-----------|------------|
| Ø x L (mm)                | 8x82     | 11x38    | 12,5x40      | 10x45      | 13x75   100 | 13x81   106 | 11x82   108 | 15x91   108 | 16x100    | 21x90      |
| Tubes per adapter / rotor | 16   64  | 18   72  | 15   60      | 19   76    | 9   36      | 15   60     | 15   60     | 9   36      | 5   20    | 5   20     |
| Adapter                   |          |          |              |            |             |             |             |             |           |            |
| Hole Ø x L (mm)           | 9x50     | 11,25x40 | 13x30        | 11x40      | 13,5x58     | 12,5x55     | 17x58       | 17x58       | 17x58     | 22x80      |
| Radius                    | 180      | 178      | 120   175    | 118        | 175         | 170         | 175         | 175         | 175       | 178        |
| Max Charge (gr)           | 380      |          |              |            |             |             |             |             |           |            |
| Ref.                      | AFI-09T1 | AFI-09T2 | AFI-09T2CRYO | AFI-09T1.3 | AFI-09T5*   | AFI-06T5ST* | AFI-09T10   | AFI-09T10   | AFI-09T10 | AFI-09T10C |

\* For tube length &gt; 80mm and ACR &gt; 3000g, we preconise using adapter AFI-09T6 or AFI-09T6ST

## Tubes

| Capacity (ml)             | 15         | 15           | 30         | 30         | 30           | 50          | 50            | 50          | 50           | 80 / 85      |
|---------------------------|------------|--------------|------------|------------|--------------|-------------|---------------|-------------|--------------|--------------|
| Ø x L (mm)                | 17x120     | 17x120       | 25x110     | 25x110     | 25x95        | 29x115      | 29x115        | 29x115      | 29x107       | 38x106       |
| Tubes per adapter / rotor | 6   24     | 7   28       | 2   8      | 2   8      | 2   8        | 2   8       | 2   8         | 2   8       | 2   8        | 1   4        |
| Adapter                   |            |              |            |            |              |             |               |             |              |              |
| Hole Ø x L (mm)           | 18x80      | 18x80        | 26x60      | 26x60      | 26,5x70      | 30x70       | 30x70         | 30x70       | 30x70        | 40x78        |
| Radius                    | 180        | 180          | 175        | 180        | 178          | 170         | 170           | 180         | 178          | 178          |
| Max Charge (gr)           | 380        |              |            |            |              |             |               |             |              |              |
| Ref.                      | AFI-09T15C | AFI-09T15CST | AFI-09T30S | AFI-09T30C | AFI-09T30AOR | AFI-09T50SL | AFI-09T50CSL* | AFI-09T50CL | AFI-09T50AOR | AFI-09T80AOR |

\* For protocols &lt; 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  | 1   4  | 1   4  |
| Adapter                   |             |              |             |              |             |        |        |        |
| Hole Ø x L (mm)           | 46x80       | 62x80        | 62x80       | 58x80        | 62x80       | 58x80  | 64x80  | 64x80  |
| Radius                    | 180         | 178          | 179         | 179          | 179         | 179    | 180    | 180    |
| Max Charge (gr)           | 380         |              |             |              |             |        |        |        |
| Ref.                      | AFI-09T100R | AFI-09T200CF | AFI-09T200C | AFI-09T200CN | AFI-09T200F | -      | -      | -      |

\* unsealed



## AFI-RX400

## Adapters selection guide



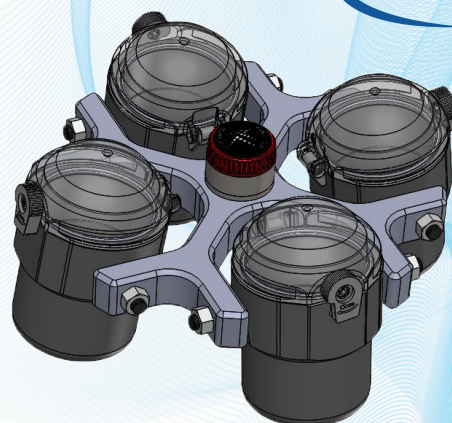
| Model        | V         | R     |
|--------------|-----------|-------|
| Max Capacity | 4 x 400ml |       |
| Angle        | 90°       |       |
| RPM Max      | 4 500     | 5 100 |
| ACR Max      | 4 075     | 5 234 |

## Accessories



| Ref. | AFI-RX400 | AFI-B400* | AFI-L400* |
|------|-----------|-----------|-----------|
|------|-----------|-----------|-----------|

\* Set of 4, possibility set of 2



## 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    |
|---------------------------|---------|-----------|-------------|-----------|-------------|-------------|-------------|-------------|--------|-------|
| Ø x L (mm)                | 8x82    | 11x38     | 12,5x40     | 10x45     | 13x75   100 | 13x81   106 | 11x82   108 | 15x91   108 | 16x100 | 21x90 |
| Tubes per adapter / rotor | 22   88 | 30   120  | 15   60     | 22   88   | 15   60     | 19   76     | 12   48     | 7   28      |        |       |
| Adapter                   |         |           |             |           |             |             |             |             |        |       |
| Hole Ø x L (mm)           | 9x50    | 11,25x40  | 13x30       | 11x40     | 13,5x58     | 12,5x55     | 17x58       | 22x80       |        |       |
| Radius                    | 180     | 120   175 | 118         | 170       | 178         | 175         | 178         | 180         |        |       |
| Max Charge (gr)           | 560     |           |             |           |             |             |             |             |        |       |
| Ref.                      | AFI-1T1 | AFI-1T2   | AFI-1T2CRYO | AFI-1T1.3 | AFI-1T5*    | AFI-1T5ST*  | AFI-1T10    | AFI-1T10C   |        |       |

\* For tube length &gt; 80mm and ACR &gt; 3000g, we preconise using adapter AFI-1T6 or AFI-1T6ST

## Tubes

| Capacity (ml)             | 15        | 15         | 30        | 30        | 30          | 50        | 50         | 50           | 50         | 50        |
|---------------------------|-----------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|-----------|
| Ø x L (mm)                | 17x120    | 17x120     | 25x110    | 25x110    | 25x95       | 29x115    | 29x115     | 29x115       | 29x115     | 29x115    |
| Tubes per adapter / rotor | 7   28    | 8   32     | 4   16    | 4   16    | 5   20      | 4   16    | 3   12     | 3   12       | 3   12     | 4   16    |
| Adapter                   |           |            |           |           |             |           |            |              |            |           |
| Hole Ø x L (mm)           | 18x80     | 18x80      | 26x60     | 26x60     | 26,5x70     | 30x70     | 30x70      | 30x70        | 30x70      | 30x70     |
| Radius                    | 180       | 180        | 177       | 177       | 178         | 177       | 178        | 177          | 180        | 177       |
| Max Charge (gr)           | 560       |            |           |           |             |           |            |              |            |           |
| Ref.                      | AFI-1T15C | AFI-1T15ST | AFI-1T30S | AFI-1T30C | AFI-1T30AOR | AFI-1T50S | AFI-1T50SL | AFI-1T50CSL* | AFI-1T50CL | AFI-1T50C |

\* For protocols &lt; 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  | 1   4  |
| Adapter                   |             |             |            |             |            |             |            |            |        |        |
| Hole Ø x L (mm)           | 30x70       | 40x78       | 46x80      | 62x80       | 58x80      | 62x80       | 58x80      | 64x80      |        |        |
| Radius                    | 180         | 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 |        |        |

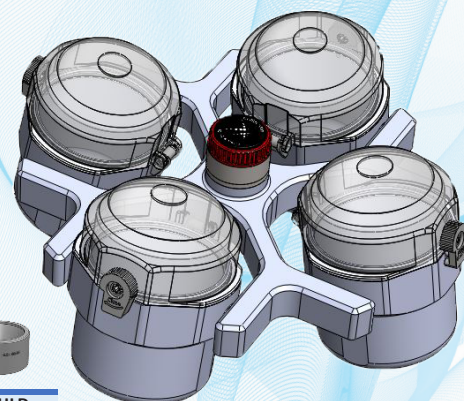
\* unsealed



## 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* |
|------|-----------|-----------|-----------|-------------|-----------|-----------------|
|------|-----------|-----------|-----------|-------------|-----------|-----------------|

\* Set of 4, possibility set of 2

## 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      |
|---------------------------|---------|----------|---------|----------|-------------|-------------|----------|-------------|--------|---------|
| Ø x L (mm)                | 8x82    | 11x38    | 12,5x40 | 10x45    | 13x75   100 | 13x81   106 | 11x82    | 15x91   108 | 16x100 | 21x90   |
| Tubes per adapter / rotor | 23   92 | 23   184 | 23   92 | 30   120 | 23   92     |             | 32   128 | 19   76     |        | 11   44 |

## Adapter

| Adapter         |         |          |             |           |          |  |            |          |           |
|-----------------|---------|----------|-------------|-----------|----------|--|------------|----------|-----------|
| Hole Ø x L (mm) | 9x50    | 11,25x40 | 13x30       | 11x40     | 13,5x58  |  | 12,5x55    | 17x58    | 22x80     |
| Radius          | 184     | 122/177  | 134         | 174       | 182      |  | 179        | 182      | 184       |
| Max Charge (gr) | 750     |          |             |           |          |  |            |          |           |
| Ref.            | AFI-2T1 | AFI-2T2  | AFI-2T2CRYO | AFI-2T1.3 | AFI-2T5* |  | AFI-2T5ST* | AFI-2T10 | AFI-2T10C |

\* For tube lenght &gt; 80mm and ACR &gt; 3000g, we preconise using adapter AFI-2T6 or AFI2T6ST

## Tubes

| Capacity (ml)             | 15      | 15      | 30     | 30     | 30     | 50     | 50     | 50     | 50     | 50     |
|---------------------------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| Ø x L (mm)                | 17x120  | 17x120  | 25x110 | 25x110 | 25x95  | 29x115 | 29x115 | 29x115 | 29x115 | 29x115 |
| Tubes per adapter / rotor | 11   44 | 15   60 | 5   20 | 5   20 | 7   28 | 5   20 | 4   16 | 4   16 | 4   16 | 5   20 |

## Adapter

| Adapter         |           |            |           |           |             |           |            |              |            |           |
|-----------------|-----------|------------|-----------|-----------|-------------|-----------|------------|--------------|------------|-----------|
| Hole Ø x L (mm) | 18x80     | 18x80      | 26x60     | 26x60     | 26,5x70     | 30x70     | 30x70      | 30x70        | 30x70      | 30x70     |
| Radius          | 184       | 184        | 181       | 184       | 182         | 182       | 182        | 182          | 184        | 184       |
| Max Charge (gr) | 750       |            |           |           |             |           |            |              |            |           |
| Ref.            | AFI-2T15C | AFI-2T15ST | AFI-2T30S | AFI-2T30C | AFI-2T30AOR | AFI-2T50S | AFI-2T50SL | AFI-2T50CSL* | AFI-2T50CL | AFI-2T50C |

\* For protocols &lt; 3500g

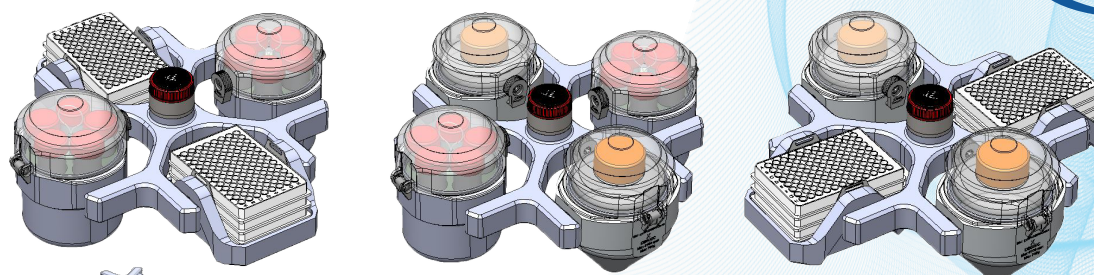
## Tubes

| Capacity (ml)             | 50     | 80 / 85 | 100    | 150   200    | 200    | 200    | 200    | 250    | 290    | 625    |
|---------------------------|--------|---------|--------|--------------|--------|--------|--------|--------|--------|--------|
| Ø x L (mm)                | 29x107 | 38x106  | 44x100 | 61x118   138 | 56x118 | 60x130 | 56x112 | 62x122 | 62x137 | 92x130 |
| Tubes per adapter / rotor | 5   20 | 3   12  | 1   4  | 1   4        | 1   4  | 1   4  | 1   4  | 1   4  |        |        |

## Adapter

| 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* |
|------|-----------|-----------|-----------|-------------|-----------|-----------------|
|------|-----------|-----------|-----------|-------------|-----------|-----------------|

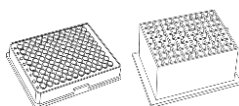
\* Set of 4, possibility set of 2

### Tubes



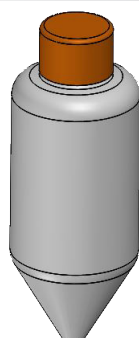
|                           | 1,6-7       | 2,6-4,9     | 1,2-3        | 4-8,5        | 7-10          | 15     | 50     | CORNING<br>250 | CORNING<br>500 |
|---------------------------|-------------|-------------|--------------|--------------|---------------|--------|--------|----------------|----------------|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

### Tubes

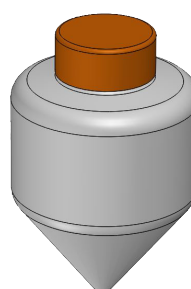


|                           |          |       |
|---------------------------|----------|-------|
| Capacity (ml)             | -        | -     |
| Ø x L (mm)                | -        | -     |
| Tubes per adapter / rotor | 4   16   | 1   4 |
| <b>Adapter</b>            |          |       |
|     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

## Grandes bouteilles dans une petite centrifugeuse



Corning 250ml



Corning 500ml

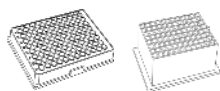


## MICROPLATES

## 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 | - |

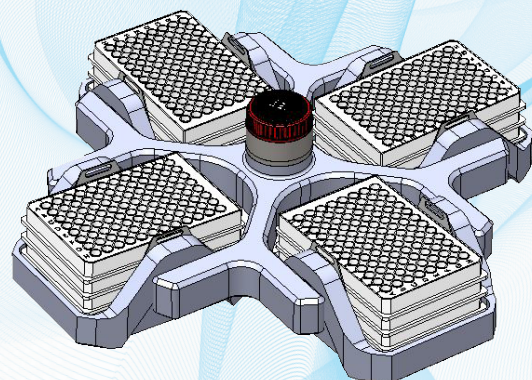
## Accessories



|                 |     |   |     |   |
|-----------------|-----|---|-----|---|
| Hole Ø x L(mm)  | -   | - | -   | - |
| Radius          | 152 | - | 152 | - |
| Max Charge (gr) | -   | - | 725 | - |

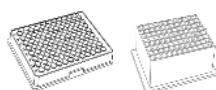
| Ref. | AFI-RX625 | AFI-BXDW* |  |
|------|-----------|-----------|--|
|------|-----------|-----------|--|

\* Set of 4



## AFI-RHDW + AFI-BHDW : 10 MICROPLATES SEALED

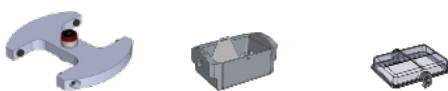
| Model        | V     | R     |
|--------------|-------|-------|
| Max Capacity | -     | -     |
| Angle        | 90°   | -     |
| RPM Max      | 4 500 | 5 100 |
| ACR Max      | 3 532 | 4 536 |



## Microplate

|                           |   |      |     |    |
|---------------------------|---|------|-----|----|
| Capacity (ml)             | - | -    | -   | -  |
| Max Height (mm)           | - | 80   | 80  | 75 |
| Tubes per adapter / rotor | - | 5 10 | 1 2 | -  |

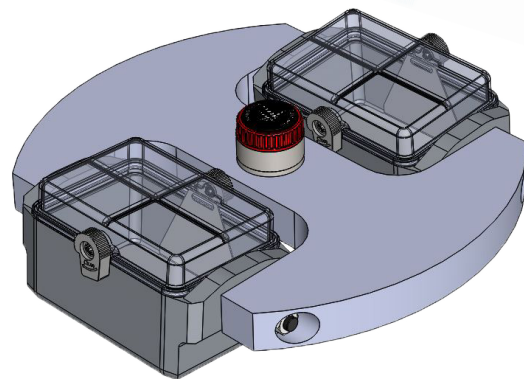
## Accessories



|                 |     |   |     |   |
|-----------------|-----|---|-----|---|
| Hole Ø x L(mm)  | -   | - | -   | - |
| Radius          | 156 | - | 156 | - |
| Max Charge (gr) | -   | - | 725 | - |

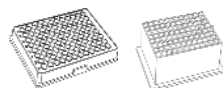
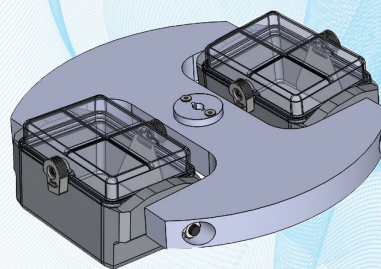
| Ref. | AFI-RHDW | AFI-BHDW* | AFI-LH |
|------|----------|-----------|--------|
|------|----------|-----------|--------|

\* 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-RA6-100 | AF-RA6-100L | AFI-RA8-100L | AFI-FA8-50 | AFI-RA8-50 | AFI-RA8-50L | AFI-RA6-50 40° | AFI-RA6-50L 40° | AFI-RA30-15 | AFI-RA10-10 |
|--------------------------------------------------------------|------------------|----------|-------------|-------------|--------------|------------|------------|-------------|----------------|-----------------|-------------|-------------|
| Max Capacity (ml)                                            |                  |          | 6x100       | 6x100       | 8x100        | 8x50       | 8x50       | 8x50        | 6x50           | 6x50            | 30x15       | 10x10       |
| Max Speed (rpm)                                              |                  |          | 12 300      | 12 300      | 14 000       | 7 600      | 12 200     | 12 200      | 12 000         | 12 000          | 4 600       | 14 600      |
| Max RCF (g)                                                  |                  |          | 17 929      | 17 929      | 25 200       | 16 973     | 16 973     | 16 973      | 20 285         | 20 285          | 3 336       | 25 023      |
| Lid                                                          |                  |          |             | ✓           | ✓            | ✓          |            | ✓           |                | ✓               |             | ✓           |
| LOREENA Compatible*                                          |                  |          | ✓           | ✓           | ✓            | ✓          | ✓          | ✓           | ✓              | ✓               | ✓           | ✓           |
| * Compatible with the maximum speed written above the rotor. |                  |          |             |             |              |            |            |             |                |                 |             |             |
| Tubes                                                        | ml               | Ø x L    |             |             |              |            |            |             |                |                 |             |             |
|                                                              | 1,1-1,4          | 8x82     | 12          | 12          | 16           | 24         | 24         | 24          | 18             | 18              | -           | -           |
|                                                              | 1,5-2            | 11x38    | 24          | 24          | 32           | 24         | 24         | 24          | 18             | 18              | -           | -           |
|                                                              | 1,5-2            | 12,5x40  | 24          | 24          | 32           | 24         | 24         | 24          | 18             | 18              | -           | -           |
|                                                              | 1,3              | 10x45    | 30          | 30          | 40           | 24         | 24         | 24          | 18             | 18              | -           | -           |
|                                                              | 1,6-5            | 13x75    | 12          | 12          | 16           | 8          | 8          | 8           | 6              | 6               | 10          | 10          |
|                                                              | 2,6-4            | 13x81-91 | 12          | 12          | 16           | 8          | 8          | 8           | 6              | 6               | -           | -           |
|                                                              | 2,7-3            | 11x82    | 30          | 30          | 40           | 24         | 24         | 24          | 18             | 18              | -           | -           |
|                                                              | 5-7              | 13x100   | 12          | 12          | 16           | 8          | 8          | 8           | 6              | 6               | -           | -           |
|                                                              | 2,6-4,9          | 13x106   | 12          | 12          | 16           | 8          | 8          | 8           | 6              | 6               | -           | -           |
|                                                              | 1,2-5            | 11x108   | 6           | 6           | 8            | 8          | 8          | 8           | 6              | 6               | -           | -           |
|                                                              | 10               | 21x90    | 6           | 6           | 8            | 8          | 8          | 8           | 6              | 6               | -           | -           |
|                                                              | 4-5              | 15x91    | 12          | 12          | 16           | 8          | 8          | 8           | 6              | 6               | -           | -           |
|                                                              | 7-10             | 16x100   | 12          | 12          | 16           | 8          | 8          | 8           | 6              | 6               | 30          | 10          |
|                                                              | 5-8,5            | 15x108   | 6           | 6           | 8            | 8          | 8          | 8           | 6              | 6               | -           | -           |
|                                                              | 10 OAK           | 16x85    | 6           | 6           | 8            | 8          | 8          | 8           | 6              | 6               | -           | -           |
|                                                              | 15               | 17x120   | 6           | 6           | 8            | 8          | 8          | 8           | 6              | 6               | 30          | -           |
|                                                              | 30               | 25x110   | 6           | 6           | 8            | 8          | 8          | 8           | 6              | 6               | -           | -           |
|                                                              | 30               | 25x110   | 6           | 6           | 8            | 8          | 8          | 8           | 6              | 6               | -           | -           |
|                                                              | 30 OAK           | 25x95    | 6           | 6           | 8            | 8          | 8          | 8           | 6              | 6               | -           | -           |
|                                                              | 50               | 29x115   | 6           | 6           | 8            | 8          | 8          | 8           | 6              | 6               | -           | -           |
|                                                              | 50               | 29x115   | 6           | 6           | 8            | 8          | 8          | 8           | 6              | 6               | -           | -           |
|                                                              | 50 OAK           | 29x107   | 6           | 6           | 8            | 8          | 8          | 8           | 6              | 6               | -           | -           |
|                                                              | 80 OAK<br>85 OAK | 38x106   | 6           | 6           | 8            | -          | -          | -           | -              | -               | -           | -           |

COMING SOON



| LISA ACCESSORIES                                                                  |                  |         | AFI-RA16-5 | AFI-RA48-2 | AFI-RA30-2 | AFI-RA24-2 | AFI-RX24-2 |  |
|-----------------------------------------------------------------------------------|------------------|---------|------------|------------|------------|------------|------------|--|
| Max Capacity (ml)                                                                 |                  |         | 16x5       | 48x2       | 30x2       | 24x2       | 24 tubes   |  |
| Max Speed (rpm)                                                                   |                  |         | 13 200     | 15 500     | 16 000     | 18 000     | 12 700     |  |
| Max RCF (g)                                                                       |                  |         | 21 038     | 27 129     | 28 335     | 31 514     | 16 229     |  |
| Lid                                                                               |                  |         | ✓          | ✓          | ✓          | ✓          | ✓          |  |
| LOREENA Compatible*                                                               |                  |         | ✓          | ✓          | ✓          | ✓          | ✓          |  |
| * 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<br>SPIN COLUMN | 11x38   | 16         | -          | -          | -          |            |  |



## FIXED ANGULAR ROTORS

## Accessories selection guide

## Angular rotor 6x100ml - 28°

| Model        | V         | R      |
|--------------|-----------|--------|
| Max Capacity | 6 x 100ml |        |
| Angle        | 28°       |        |
| RPM Max      | 12 100    | 12 300 |
| ACR Max      | 17 351    | 17 929 |



## 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   | 12,5x80     |        |        |
| Radius 106                | 87 103    | 83 104    | 83 104        | 90 110      | 87 103    | 89 111      | 87 103    | 108         |        |        |
| Ref.                      | AFI-100R1 | AFI-100R2 | AFI-100R2CRYO | AFI-100R1.3 | AFI-100R5 | AFI-100R5ST | AFI-100R7 | AFI-100R6ST |        |        |

## Tubes

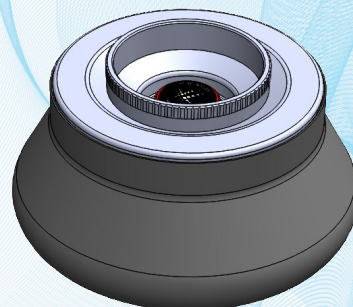
|                           |             |            |              |                |             |             |             |                |             |        |
|---------------------------|-------------|------------|--------------|----------------|-------------|-------------|-------------|----------------|-------------|--------|
|                           |             |            |              |                |             |             |             |                |             |        |
| 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 106                | 95          | 87 103     | 107          | 87 103         | 95          | 96          | 96          | 94             | 101         |        |
| Ref.                      | AFI-100R10C | AFI-100R10 | AFI-100R10ST | AFI-100R10-OAK | AFI-100R15C | AFI-100R30S | AFI-100R30C | AFI-100R30-OAK | AFI-100R50S |        |

## Tubes

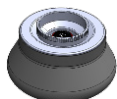
|                           |             |                |        |        |
|---------------------------|-------------|----------------|--------|--------|
|                           |             |                |        |        |
| Capacity (ml)             | 50          | 50             | 80     | 85     |
| Ø x L (mm)                | 29x115      | 29x107         | 38x106 | 38x106 |
| Tubes per adapter / rotor | 1 6         | 1 6            | 1 6    |        |
| Adapter                   |             |                |        |        |
| Hole Ø x L (mm)           | 30x70       | 30x70          | 39x68  |        |
| Radius 106                | 101         | 98             | 103    |        |
| Ref.                      | AFI-100R50C | AFI-100R50-OAK | -      | -      |

## Angular rotor 6x100ml - 28° - Sealed

| Model        | V         | R      |
|--------------|-----------|--------|
| Max Capacity | 6 x 100ml |        |
| Angle        | 28°       |        |
| RPM Max      | 12 100    | 12 300 |
| ACR Max      | 17 351    | 17 929 |



### Accessories



| Ref. | AFI-RA6-100L |
|------|--------------|
|------|--------------|

### 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   | 12,5x80     |
|----------------|-----------|-----------|---------------|-------------|-----------|-------------|-----------|-------------|
| Radius         | 87 103    | 83 104    | 83 104        | 90 105      | 87 103    | 89 105      | 87 103    | 108         |
| Ref.           | AFI-100R1 | AFI-100R2 | AFI-100R2CRYO | AFI-100R1.3 | AFI-100R5 | AFI-100R5ST | AFI-100R7 | AFI-100R6ST |

### 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 | AFI-100R10 | AFI-100R10ST | AFI-100R10-OAK | AFI-100R15C | AFI-100R30S | AFI-100R30C | AFI-100R30-OAK | AFI-100R50S |

### Tubes

| Capacity (ml)             | 50     | 50     | 80     | 85     |
|---------------------------|--------|--------|--------|--------|
| Ø x L (mm)                | 29x115 | 29x107 | 38x106 | 38x106 |
| Tubes per adapter / rotor | 1 6    | 1 6    | 1 6    |        |

### Adapter

| Hole Ø x L(mm) | 30x70       | 30x70          | 39x68 |
|----------------|-------------|----------------|-------|
| Radius         | 101         | 98             | 103   |
| Ref.           | AFI-100R50C | AFI-100R50-OAK | -     |



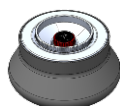
## FIXED ANGULAR ROTORS

## Accessories selection guide

## Angular rotor 8x100ml - 28° - Sealed

| Model        | V         | R      |
|--------------|-----------|--------|
| Max Capacity | 8 x 100ml |        |
| Angle        | 28°       |        |
| RPM Max      | 12 100    | 14 000 |
| ACR Max      | 18 824    | 25 200 |

## Accessories



| Ref. | AFI-RA8-100L |
|------|--------------|
|------|--------------|



## 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      | 2 16        |        | 1 8    |
| 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 | AFI-100R2 | AFI-100R2CRYO | AFI-100R1.3 | AFI-100R5 | AFI-100R5ST | AFI-100R7 | AFI-100R6ST |        |        |

## Tubes

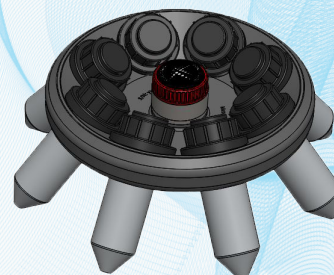
| Capacity (ml)             | 10          | 4-5        | 7-10   | 5-8          | 10             | 15          | 30          | 30          | 30             | 50          |
|---------------------------|-------------|------------|--------|--------------|----------------|-------------|-------------|-------------|----------------|-------------|
| 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         |
| Adapter                   |             |            |        |              |                |             |             |             |                |             |
| Hole Ø x L (mm)           | 22x80       | 17x78      |        | 17x80        | 17x70          | 18x80       | 26x60       | 26x60       | 26,5x70        | 30x70       |
| Radius                    | 115         | 105 111    |        | 111          | 105 111        | 103         | 104         | 104         | 102            | 109         |
| Ref.                      | AFI-100R10C | AFI-100R10 |        | AFI-100R10ST | AFI-100R10-OAK | AFI-100R15C | AFI-100R30S | AFI-100R30C | AFI-100R30-OAK | AFI-100R50S |

## Tubes

| Capacity (ml)             | 50          | 50             | 80     | 85     |
|---------------------------|-------------|----------------|--------|--------|
| Ø x L (mm)                | 29x115      | 29x107         | 38x106 | 38x106 |
| Tubes per adapter / rotor | 1 8         | 1 8            | 1 8    |        |
| Adapter                   |             |                |        |        |
| Hole Ø x L (mm)           | 30x70       | 30x70          | 39x68  |        |
| Radius                    | 115         | 109            | 115    |        |
| Ref.                      | AFI-100R50C | AFI-100R50-OAK | -      | -      |

## 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-FA8-50 |
|------|------------|
|------|------------|

|                           |    |    |    |    |   |  |   |   |   |   |   |
|---------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Tubes</b>              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                    |                                                                                   |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |
| 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                                                                                  |
| <b>Adapter</b>            |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                    |                                                                                   |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |
|                           |  |  |  |  |  |                                                                                   |  |  |  |  |  |
| 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                                                                             | 110 124                                                                             | 126                                                                                |                                                                                   | 119 132                                                                              | 134                                                                                  | 134                                                                                  | 134                                                                                  | 134                                                                                  |
| <b>Ref.</b>               | AFI-50R1*                                                                           | AFI-50R2*                                                                           | AFI-50R2CRYO*                                                                       | AFI-50R1.3                                                                          | AFI-50R5*                                                                          |                                                                                   | AFI-50R5ST                                                                           | AFI-50R7*                                                                            | AFI-50R7*                                                                            | AFI-50R6ST                                                                           | AFI-50R10C*                                                                          |

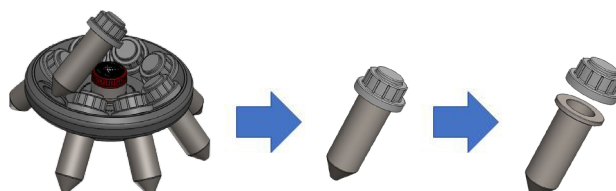
\* Set of 8

|                           |  |  |  |  |  |    |  |  |  |  |
|---------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Tubes</b>              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| 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 8                                                                                 |                                                                                     | 1 8                                                                                 | 1 8                                                                                 | 1 8                                                                                 | 1 8                                                                                   | 1 8                                                                                   | 1 8                                                                                   | 1 8                                                                                   | 1 8                                                                                   |
| <b>Adapter</b>            |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                           |  |  |  |  |  |  |                                                                                       |  |                                                                                       |  |
| Hole Ø x L (mm)           | 17x78                                                                               |                                                                                     | 17x70                                                                               | 18x80                                                                               | 26x60                                                                               | 26x60                                                                                 | 26,5x70                                                                               | 30x70                                                                                 | 30x70                                                                                 | 30x70                                                                                 |
| Radius                    | 141                                                                                 |                                                                                     | 134                                                                                 | 124                                                                                 | 136                                                                                 | 138                                                                                   | 134                                                                                   | 137                                                                                   | 140                                                                                   | 140                                                                                   |
| <b>Ref.</b>               | AFI-50R10*                                                                          |                                                                                     | AFI-50R10-OAK*                                                                      | AFI-50R15C*                                                                         | AFI-50R30S*                                                                         | AFI-50R30C*                                                                           | AFI-50R30-OAK*                                                                        | AFI-50R50S*                                                                           | -                                                                                     | AFI-50R50-OAK*                                                                        |

\* Set of 8

### Idéal pour vos échantillons sensibles

Adaptateurs étanches et amovibles individuellement.  
Sécurité garantie tout au long de votre protocole d'analyse,  
avant, pendant et après la 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-RA8-50 |
|------|------------|
|------|------------|



## 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* | AFI-50R2* | AFI-50R2CRYO* | AFI-50R1.3 | AFI-50R5* |  | AFI-50R5ST | AFI-50R7* | AFI-50R7* | AFI-50R6ST | AFI-50R10C* |

\* Set of 8



## 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 8         |        | 1 8   | 1 8    | 1 8    | 1 8    | 1 8   | 1 8    | 1 8    | 1 8    |

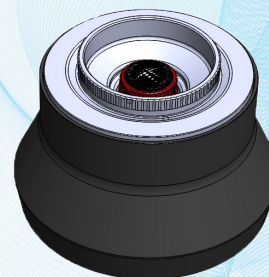
## Adapter



|                 |            |                |             |             |             |                |             |       |                |
|-----------------|------------|----------------|-------------|-------------|-------------|----------------|-------------|-------|----------------|
| Hole Ø x L (mm) | 17x78      | 17x70          | 18x80       | 26x60       | 26x60       | 26,5x70        | 30x70       | 30x70 | 30x70          |
| Radius          | 95         | 85             | 97          | 99          | 95          | 98             | 101         | 102   | 101            |
| Ref.            | AFI-50R10* | AFI-50R10-OAK* | AFI-50R15C* | AFI-50R30S* | AFI-50R30C* | AFI-50R30-OAK* | AFI-50R50S* | -     | 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 |



### Accessories



| Ref. | AFI-RA8-50L |
|------|-------------|
|------|-------------|

### 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   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* | AFI-50R2* | AFI-50R2CRYO* | AFI-50R1.3 | AFI-50R5* |  | AFI-50R5ST | AFI-50R7* | AFI-50R7* | AFI-50R6ST | AFI-50R10C* |

\* Set of 8

### 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   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 | 30x70 | 30x70          |
| Radius          | 95         | 85             | 97          | 99          | 95          | 98             | 101         | 102   | 102   | 101            |
| Ref.            | AFI-50R10* | AFI-50R10-OAK* | AFI-50R15C* | AFI-50R30S* | AFI-50R30C* | AFI-50R30-OAK* | AFI-50R50S* | -     | -     | AFI-50R50-OAK* |

\* Set of 8



## FIXED ANGULAR ROTORS

## Accessories selection guide

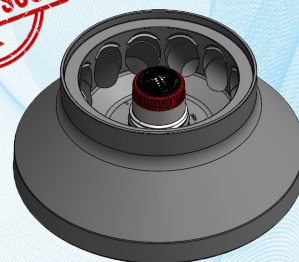
## Angular rotor 6x50ml - 40°

| Model        | V        | R      |
|--------------|----------|--------|
| Max Capacity | 48 x 2ml |        |
| Angle        | 40°      |        |
| RPM Max      | 12 000   | 12 000 |
| ACR Max      | 20 285   | 20 285 |

## Accessories



| Ref. | AFI-RA6-50 40° |
|------|----------------|
|------|----------------|



## 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 18    | 3 18  | 3 18    | 3 18  | 1 6   |          | 3 18  | 1 6    | 1 6    | 1 6    | 1 6   |

## Adapter

| Hole Ø x L (mm) | 9x50      | 11,25x40  | 13x30         | 11x40      | 13,5x58   | 12,5x55    | 13,5x78   | 13,5x78   | 12,5x80    | 22x80       |
|-----------------|-----------|-----------|---------------|------------|-----------|------------|-----------|-----------|------------|-------------|
| Radius          | 126       | 109 123   | 96 111        | 94 109     | 113       | 105 119    | 121       | 121       | 121        | 121         |
| Ref.            | AFI-50R1* | AFI-50R2* | AFI-50R2CRYO* | AFI-50R1.3 | AFI-50R5* | AFI-50R5ST | AFI-50R7* | AFI-50R7* | AFI-50R6ST | AFI-50R10C* |

\* Set of 8

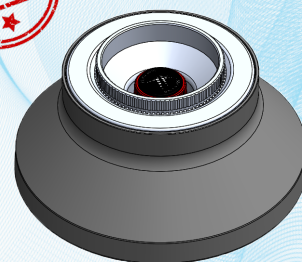
## Tubes

| 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 6       |        | 1 6   | 1 6    | 1 6    | 1 6    | 1 6   | 1 6    | 1 6    | 1 6    |

## Adapter

| Hole Ø x L (mm) | 17x78      | 17x70          | 18x80       | 26x60       | 26x60       | 26,5x70        | 30x70       | 30x70 | 30x70          |
|-----------------|------------|----------------|-------------|-------------|-------------|----------------|-------------|-------|----------------|
| Radius          | 126        | 121            | 111         | 125         | 121         | 124            | 126         | 126   | 126            |
| Ref.            | AFI-50R10* | AFI-50R10-OAK* | AFI-50R15C* | AFI-50R30S* | AFI-50R30C* | AFI-50R30-OAK* | AFI-50R50S* | -     | AFI-50R50-OAK* |

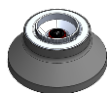
\* Set of 8

## Angular rotor 6x50ml - 40° - Sealed

| Model        | V        | R      |
|--------------|----------|--------|
| Max Capacity | 6 x 50ml |        |
| Angle        | 40°      |        |
| RPM Max      | 12 000   | 12 000 |
| ACR Max      | 20 285   | 20 285 |

### Accessories



| Ref. | AFI-RA6-50L 40 |
|------|----------------|
|------|----------------|

### 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 18    | 3 18  | 3 18    | 3 18  | 1 6   |          | 3 18  | 1 6    | 1 6    | 1 6    | 1 6   |

### Adapter

| Hole Ø x L(mm) | 9x50      | 11,25x40  | 13x30         | 11x40      | 13,5x58   | 12,5x55    | 13,5x78   | 13,5x78   | 12,5x80    | 22x80       |
|----------------|-----------|-----------|---------------|------------|-----------|------------|-----------|-----------|------------|-------------|
| Radius         | 109 123   | 100 114   | 96 111        | 94 109     | 113       | 105 119    | 121       | 121       | 121        | 121         |
| Ref.           | AFI-50R1* | AFI-50R2* | AFI-50R2CRYO* | AFI-50R1.3 | AFI-50R5* | AFI-50R5ST | AFI-50R7* | AFI-50R7* | AFI-50R6ST | AFI-50R10C* |

\* Set of 8

### 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 6       |        | 1 6   | 1 6    | 1 6    | 1 6    | 1 6   | 1 6    | 1 6    | 1 6    |

### Adapter

| Hole Ø x L(mm) | 17x78      | 17x70          | 18x80       | 26x60       | 26x60       | 26,5x70        | 30x70       | 30x70 | 30x70          |
|----------------|------------|----------------|-------------|-------------|-------------|----------------|-------------|-------|----------------|
| Radius         | 121        | 111            | 113         | 125         | 121         | 124            | 126         | 126   | 126            |
| Ref.           | AFI-50R10* | AFI-50R10-OAK* | AFI-50R15C* | AFI-50R30S* | AFI-50R30C* | AFI-50R30-OAK* | AFI-50R50S* | -     | AFI-50R50-OAK* |

\* Set of 8

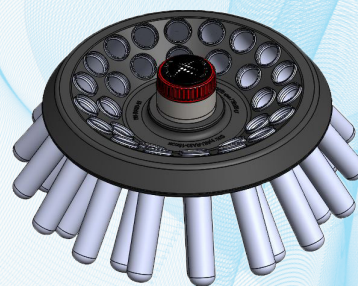


## FIXED ANGULAR ROTORS

## Accessories selection guide

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

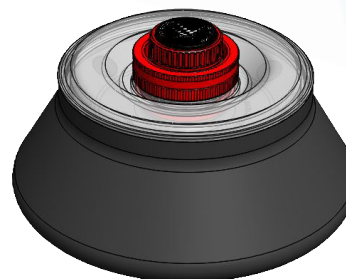
## Accessories

|                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
|-----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                 |  |  |  |  |
| Hole Ø x L (mm) | 18x98                                                                             | 13,5x78                                                                           | 17x78                                                                             | 18x98                                                                             |
| Radius          | 122 141                                                                           | 96 115                                                                            | 110 129                                                                           | 118 136                                                                           |
| Ref.            | AFI-RA30-15                                                                       | AFI-15R5*                                                                         | AFI-15R10*                                                                        | AFI-15R15C*                                                                       |

\* Set of 30

## Angular rotor 10x10ml - 30° - Sealed

| Model        | V         | R      |
|--------------|-----------|--------|
| Max Capacity | 10 x 10ml |        |
| Angle        | 30°       |        |
| RPM Max      | 10 700    | 14 600 |
| ACR Max      | 13 440    | 25 023 |



## Tubes

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

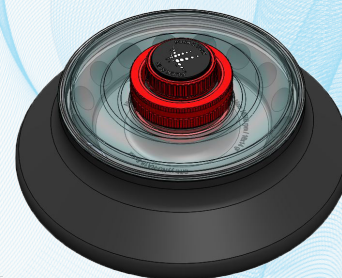
## Accessories

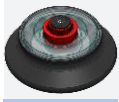
|                 |                                                                                     |                                                                                     |
|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                 |  |  |
| Hole Ø X L (mm) | 17x71                                                                               | 13,5x78                                                                             |
| Radius          | 105                                                                                 | 80                                                                                  |
| Ref.            | AFI-RA10-10                                                                         | AFI-10R5*                                                                           |

\* Set of 10

## 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 |

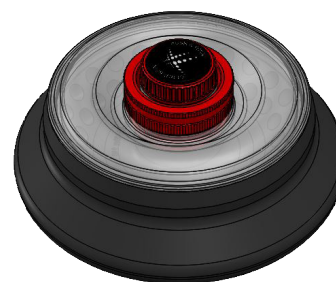


| Tubes                     |  |  |  |  |  | SPIN-COLUMNS<br> |
|---------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Capacity (ml)             | 5                                                                                 | 0,2                                                                               | 0,25                                                                              | 0,5                                                                               | 2                                                                                 | 2                                                                                                  |
| Ø x L (mm)                | 16,5x60                                                                           | 6x18                                                                              |                                                                                   | 8x30                                                                              | 11x38                                                                             | 11x38                                                                                              |
| 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-5R025*                                                                        | AFI-5R05*                                                                         | AFI-5R05                                                                          | AFI-5R2                                                                           | AFI-5R2SC                                                                                          |

\* Set of 16

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

\* Set of 6

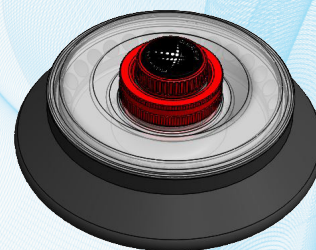


## FIXED ANGULAR ROTORS

## Accessories selection guide

## 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



SPIN COLUMN



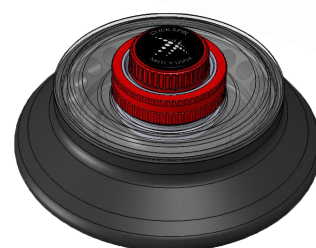
|                           | 1,5-2 | 2 | 0,2  | 0,25 | 0,5  |
|---------------------------|-------|---|------|------|------|
| Capacity (ml)             | 11x38 |   | 6x18 | 8x30 | 8x30 |
| ∅ x L (mm)                | 30    |   | 1 30 | 1 30 | 1 30 |
| Tubes per adapter / rotor |       |   |      |      |      |

## Accessories



|                |            |  |           |            |           |
|----------------|------------|--|-----------|------------|-----------|
| Hole ∅ X L(mm) | 11,2x41    |  | 7x39      | 8,3x39     | 8,3x39    |
| Radius         | 99         |  | 97        | 97         | 97        |
| Ref.           | AFI-RA30-2 |  | AFI-2R05* | 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 |



SPIN COLUMN



|                           | 1,5-2 | 2 | 0,2  | 0,25 | 0,5  |
|---------------------------|-------|---|------|------|------|
| Capacity (ml)             | 11x38 |   | 6x18 | 8x30 | 8x30 |
| ∅ x L (mm)                | 24    |   | 1 48 | 1 48 | 1 48 |
| Tubes per adapter / rotor |       |   |      |      |      |

## Accessories

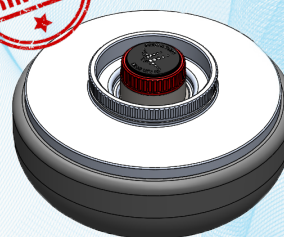


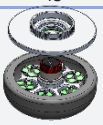
|                |            |  |           |            |           |
|----------------|------------|--|-----------|------------|-----------|
| Hole ∅ X L(mm) | 11,2x41    |  | 7x39      | 8,3x39     | 8,3x39    |
| Radius         | 87         |  | 85        | 85         | 85        |
| Ref.           | AFI-RA24-2 |  | AFI-2R05* | AFI-2R025* | AFI-2R05* |

\* Set of 6

## Angular rotor 24x2ml - 90° - Sealed

| Model        | V        | R      |
|--------------|----------|--------|
| Max Capacity | 24 x 2ml |        |
| Angle        | 90°      |        |
| RPM Max      | 12 700   | 12 700 |
| ACR Max      | 16 229   | 16 229 |



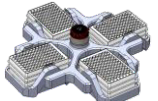
| Tubes                     | SPIN COLUMN                                                                       |   |                                                                                   |                                                                                   |                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Capacity (ml)             | 1,5-2                                                                             | 2 | 0,2                                                                               | 0,25                                                                              | 0,5                                                                               |
| Ø x L (mm)                | 11x38                                                                             |   | 6x18                                                                              |                                                                                   | 8x30                                                                              |
| Tubes per adapter / rotor | 48                                                                                |   | 1 48                                                                              | 1 48                                                                              | 1 48                                                                              |
| Accessories               |  |   |  |  |  |
| Hole Ø X L (mm)           | 11,2x41                                                                           |   |                                                                                   | 7x39                                                                              | 8,3x39                                                                            |
| Radius                    | 90                                                                                |   | 88                                                                                | 88                                                                                | 88                                                                                |
| Charge Max (gr)           | 24x10gr                                                                           |   |                                                                                   |                                                                                   |                                                                                   |
| Ref.                      | AFI-RX24-2                                                                        |   | AFI-2R05*                                                                         | AFI-2R025*                                                                        | AFI-2R05*                                                                         |

\* Set of 6



## Data sheet



| Spécifications - Specifications                                                                                                 |                                                                                    |                                     |                                                                                     |                 |
|---------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|-----------------|
| Modèle - Model                                                                                                                  | Ventilé - Ventilated                                                               |                                     | Réfrigéré -Refrigerating                                                            |                 |
| Centrifugeuse de paillasse<br>Benchtop centrifuge                                                                               |  |                                     |  |                 |
| Référence - Reference                                                                                                           | AFI-C200V-E                                                                        | AFI-C200V                           | AFI-C200R-E                                                                         | AFI-C200R       |
| Caractéristiques électriques - Electrical specifications                                                                        |                                                                                    |                                     |                                                                                     |                 |
| Tension nominale - Nominal voltage (+/- 10%)                                                                                    | 230 V                                                                              | 120 V                               | 230 V                                                                               | 120 V           |
| Fréquence - Frequency                                                                                                           | 50 / 60 Hz                                                                         | 60 Hz                               | 50 Hz                                                                               | 60 Hz           |
| Puissance alimentation max. - Power max.                                                                                        | 900 W                                                                              |                                     | 2000 W (700W compressor)                                                            |                 |
| Conformité aux directives Européennes - Compliance with European directives                                                     |                                                                                    |                                     |                                                                                     |                 |
| 98/79/CE : Dispositifs médicaux de diagnostic in vitro<br>In vitro diagnostic medical devices                                   | ✓                                                                                  |                                     | ✓                                                                                   |                 |
| 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)                        |                                                                                    |                                     |                                                                                     |                 |
| <br>Rotors Swing-out<br>Swing-out rotors     | Capacité max. Max. capacity                                                        | Rotor AFI-RX625<br>Bucket AFI-BX625 | 4 x 625 ml                                                                          |                 |
|                                                                                                                                 | RPM max.                                                                           |                                     | 4500 rpm                                                                            | 5100 rpm        |
|                                                                                                                                 | ACR max<br>Max. RCF                                                                |                                     | 4528 g                                                                              | 5816 g          |
| <br>Rotors Microplaques<br>Microplate rotors | Capacité max. Max. capacity                                                        | Rotor AFI-RX625<br>Bucket AFI-BXDW  | 4x4 microplaques ; 4x1 plaques Deepwell<br>4x4 microplates ; 4x1 Deepwell plates    |                 |
|                                                                                                                                 | RPM max.                                                                           |                                     | 4500 rpm                                                                            | 5100 rpm        |
|                                                                                                                                 | ACR max<br>Max. RCF                                                                |                                     | 3441 g                                                                              | 4420 g          |
| <br>Rotors Angulaires Fixed<br>angle rotors  | Capacité max. Max. capacity                                                        | Rotor AFI-RA24-2                    | 24 x 2 ml                                                                           |                 |
|                                                                                                                                 | RPM max.                                                                           |                                     | 15300 rpm                                                                           | 18000 rpm       |
|                                                                                                                                 | ACR max<br>Max. RCF                                                                |                                     | 22769 g                                                                             | 31514 g         |
| Couvercle - Lid                                                                                                                 |                                                                                    | ✓                                   |                                                                                     |                 |
| Dimensions & poids - Dimensions & Weight                                                                                        |                                                                                    |                                     |                                                                                     |                 |
| Dimensions (HxLxL) - Foot print Dimensions (HxWxD)                                                                              |                                                                                    | 34 x 46 x 56 cm                     |                                                                                     | 32 x 68 x 58 cm |
| Profondeur table – Table deep                                                                                                   |                                                                                    | 55 cm                               |                                                                                     | 55 cm           |
| Dimensions emballage (HxLxL) - Package dimension (HxWxD)                                                                        |                                                                                    | 50 x 74 x 55 cm                     |                                                                                     | 50 x 74 x 77 cm |
| Hauteur couvercle ouvert - Opened lid height                                                                                    |                                                                                    | 79 cm                               |                                                                                     | 80 cm           |
| Poids net - Weight unpacked                                                                                                     |                                                                                    | 71 Kg                               |                                                                                     | 110 Kg          |
| Poids emballé - Weight packed                                                                                                   |                                                                                    | 86 kg                               |                                                                                     | 126 kg          |

| Description de la centrifugeuse / Centrifuge description             |                                                                                   |                                                                                                                                                                                                                                                                |                                   |           |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------|
| Référence - Reference                                                | AFI-C200V-E                                                                       | AFI-C200V                                                                                                                                                                                                                                                      | AFI-C200R-E                       | AFI-C200R |
| Ecran graphique tactile 4.3", couleur<br>4.3" graphic color screen   |                                                                                   | ✓                                                                                                                                                                                                                                                              |                                   |           |
| Commandes<br>Commands                                                |                                                                                   | Touches et écran tactile<br>Buttons and touchscreen                                                                                                                                                                                                            |                                   |           |
| Contrôle par microprocesseur<br>Microprocessor control               |                                                                                   | ✓                                                                                                                                                                                                                                                              |                                   |           |
| Fixation de rotor sans outil<br>Toolless rotor fixing                |  | Système "ClickSpin®"                                                                                                                                                                                                                                           |                                   |           |
| Reconnaissance automatique du rotor<br>Automatic rotor recognition   |  | ✓                                                                                                                                                                                                                                                              |                                   |           |
| Détection de balourd<br>Imbalance detection                          |  | Calibration ajustable (15g swing out et 3g rotors angulaires).Neutralisation automatique des vibrations liées à l'environnement.<br>Tunable calibration (15g for swing out & 3g for angular rotors). Automatic neutralization of vibrations due to environment |                                   |           |
| Mode économie d'énergie<br>Energy saving mode                        |                                                                                   | Mode "Postcool" désactivable<br>Desactivable "Postcool" mode                                                                                                                                                                                                   |                                   |           |
| Fermeture motorisée du couvercle<br>Motorized lid closing            |  | ✓                                                                                                                                                                                                                                                              |                                   |           |
| Durées de cycle<br>Cycle duration                                    |                                                                                   | 10 s à 99h:59min:59s & Impulsion<br>10 s to 99h:59min:59 s & Pulse                                                                                                                                                                                             |                                   |           |
| Unités de température<br>Temperature units                           |                                                                                   | °C / °F                                                                                                                                                                                                                                                        |                                   |           |
| Chambre de centrifugation<br>Centrifugation chamber                  |                                                                                   | Inox                                                                                                                                                                                                                                                           |                                   |           |
| Densité max.<br>Max. density                                         |                                                                                   | 1.2 g / cm³                                                                                                                                                                                                                                                    |                                   |           |
| Moteur à induction sans charbon<br>Brushless induction motor         |                                                                                   | ✓                                                                                                                                                                                                                                                              |                                   |           |
| Vitesse mini / Maxi<br>Mini / Max Speed                              |                                                                                   | 300 / 15300 rpm                                                                                                                                                                                                                                                | 300 / 18000 rpm                   |           |
| Pas de réglage de la vitesse<br>Speed setting step                   |                                                                                   | 10 rpm                                                                                                                                                                                                                                                         |                                   |           |
| Précision de vitesse<br>Speed accuracy                               |                                                                                   | ± 0.5%                                                                                                                                                                                                                                                         |                                   |           |
| Nombre de programmes<br>Programs number                              |                                                                                   | 99                                                                                                                                                                                                                                                             | 99+2                              |           |
| Fonction Pulse<br>Pulse (short run)                                  |                                                                                   | ✓                                                                                                                                                                                                                                                              |                                   |           |
| Pentes d'accélération & de freinage<br>Acceleration & Braking slopes |                                                                                   | 10 & 10                                                                                                                                                                                                                                                        |                                   |           |
| Décélération libre<br>Brakeless mode                                 |                                                                                   | ✓                                                                                                                                                                                                                                                              |                                   |           |
| Système de réfrigération<br>Cooling system                           |                                                                                   | Ventilation<br>Ventilation device                                                                                                                                                                                                                              | Sans CFC<br>Without CFC           |           |
| Plage de réglage en température<br>Range of setting temperature      |                                                                                   | N/A                                                                                                                                                                                                                                                            | -20°C → +40°C                     |           |
| Fonction de pré-refroidissement<br>Precool function                  |                                                                                   | N/A                                                                                                                                                                                                                                                            | ✓<br>Precool program of 6 minutes |           |
| Précision en température<br>Temperature accuracy                     |                                                                                   | N/A                                                                                                                                                                                                                                                            | +/- 2°C                           |           |
| Dissipation de chaleur maximale<br>Heat dissipation                  |                                                                                   | 3071 BTU/h                                                                                                                                                                                                                                                     | 6824 BTU/h                        |           |
| Niveau sonore max.<br>Max. noise                                     |                                                                                   | ≤ 60 dB(A)                                                                                                                                                                                                                                                     | ≤ 55 dB(A)                        |           |
| Option Thermostatée 37°C<br>Option Temp. Regulation 37°C             |                                                                                   | N/A                                                                                                                                                                                                                                                            | 37°C +/-2°C                       |           |





**ATALIA**  
Certification

ISO 13485 : 2016  
N° ATA 028/2017



**ATALIA**  
Certification

ISO 9001 : 2015  
N° ATA 032/2017

- Si cela s'avère nécessaire ou utile sans porter atteinte aux caractéristiques essentielles d'un modèle, les caractéristiques techniques et stylistiques peuvent être modifiées sans avis préalable du fabricant.

M A D E I N F R A N C E

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