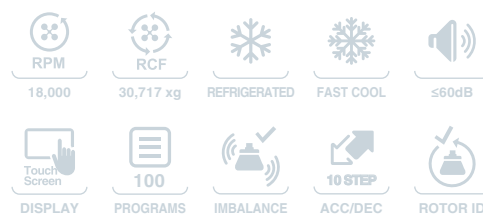




## PURISPIN 18R<sup>®</sup> MICRO CENTRIFUGE

Refrigerated micro centrifuge with powerful g-force and high throughput



### ● ● ● STANDARD SPECIFICATION

MAX. RPM	18,000RPM(Angle Rotor)	13,000RPM(Swing Rotor)
MAX RCF	30,717 xg	16,343 xg
MAX. Capacity	50ml Conical x 6	2.0ml x 48
Accel / Decel phase	0 ~ 9 (10 Step)	
Set temp.	-10°C ~ +40°C (1°C increments)	
Refrigeration System	Non-CFC	
Noise Level	≤60dB	
Set time	99min 59sec or continuous	
Time Count	From start / From set-up RPM	
Program	100 memory	
Rotor ID	Automatic Recognition	
Display	4.3" LCD Touch Screen	
RPM Range	400 to 18,000 RPM	
Display message on screen	RPM, RCF, Time, Door open/close, Temp ACC, DEC, Rotor ID, Program, Comp. On/Off	
Available Rotor Quantity	11	
Power Supply	AC 230V ± 10%, 50-60Hz, 1Phase	
Power Consumption	1,500W	
Dimension (W x D x H)	382 x 669 x 314 mm(H:670mm with open lid)	
Weight (without rotor)	52Kg	

## ● ● ● MAIN FEATURE

### ● Ergonomic Design for Common Use

Modest working height of the device makes users to feel ease in loading and unloading samples

### ● CRYSTE FLIP™ Touch Controller

- User-friendly 4.3" full color touch LCD controller helps to set the parameter at modern way
- All set points are visible at a glance and setting is easy
- Touch pad lock doesn't allow misuse during operation

### ● Silent Operation

Well-balanced motor minimized vibration, which leads to the most silent operation

### ● Drainage

Excessive condensation can be treated by drainage at the bottom of chamber

### ● Various Rotors

- Most micro tubes can be used from PCR tubes to general micro tubes
- Up to 50ml conical tube can be loaded

### ● Refrigerator and Fast Cool Function

- Pre-cooling before use is available so that user can minimize the risk of degradation of thermal sensitive samples
- 4 °C at maximum speed is ensured

### ● Energy Saving

- Pre-set energy saving mode can help to reduce the electrical operating cost
- Unnecessary operation without the real-use can be controlled by Standby Mode and Eco Shut-off setting

### ● Ideal Security

Unauthorized access is prohibited through password

## ● ● ● ORDER INFORMATION
















	ITEM	DESCRIPTIONS	ORDER CODE
Main Body	PURISPIN 18R	PURISPIN 18R, refrigerated, without rotor, 230V/50~60Hz	P18R-MB
Angle Rotor	A480.2M	0.2ml x 48 fixed angle rotor for PCR strips (Max 11,000RPM)	P18R-AR1
	A241.5M	1.5/2.0ml x 24 fixed angle rotor(Max 18,000RPM)	P18R-AR2
	AS241.5MX	1.5/2.0ml x 24 fixed angle Aerosol-tight with AxI lock rotor(Max 18,000RPM)	P18R-AR3
	A301.5M	1.5/2.0ml x 30 fixed angle rotor(Max 14,000RPM)	P18R-AR4
	A481.5M	1.5/2.0ml x 48 fixed angle rotor(Max 13,000RPM)	P18R-AR5
	A181.5M	1.5/2.0ml x 18 fixed angle rotor(Max 14,000RPM)	P18R-AR6
	A181.5MH	1.5/2.0ml x 18 fixed angle rotor(Max 15,000RPM)	P18R-AR7
	A125M	5ml x 12 fixed angle rotor(Max 14,000RPM)	P18R-AR8
	A650M	50ml x 6 fixed angle rotor(Max 8,000RPM)	P18R-AR9
Swing Rotor	S61.5M	6-wing swing rotor with 1.5/2.0ml x 4 rectangular buckets(Max 13,000RPM)	P18R-SR1
	S2M-MTP	2 - wing micro plate swing rotor (Max 5,000RPM)	P18R-SR2

## ●●● AVAILABLE ANGLE ROTORS

LAB.SAFETY

CENTRIFUGES













LAB.BASIC















Rotor								
	Fixed Angle Rotor $\angle 45^\circ$ 48 x 0.2ml Radius(mm) : 83.5		Fixed Angle Rotor $\angle 45^\circ$ 24 x 1.5ml Radius(mm) : 84.8			Fixed Angle Rotor $\angle 45^\circ$ 24 x 1.5ml Radius(mm) : 84.8		
Item	A480.2M		A241.5M			AS241.5MX <sup>1)</sup>		
Tube								
Volume (ml)	0.2	0.2ml Strips	0.2	0.5	1.5 / 2.0	0.2	0.5	1.5 / 2.0
Adaptor / tube rack								
Item			F1.5A-0.2	F1.5A-0.5		F1.5A-0.2	F1.5A-0.5	
Number per rack / rotor	48	6	24	24	24	24	24	24
Adaptor bore (mm)	6.5	6.5	6.5	8	11	6.5	8	11.0
Max. height for use (mm)	-	-	44	51	61	43	51	61
RPM	11,000	11,000	18,000	18,000	18,000	18,000	18,000	18,000
Radius (mm)	83.5	83.5	70.3	76.7	84.8	70.3	76.7	84.8
RCF	11,296	11,296	24,465	27,783	30,717	25,465	27,465	30,717

● 1) AS241.5MX : certified for dynamic microbiological test(En61010-020) by [TUV NORD](#)

Rotor				
	Fixed Angle rotor $\angle 45^\circ$ 30 x 1.5ml Radius(mm) : 94.8			Fixed Angle rotor $\angle 45^\circ$ 12 x 5ml Radius(mm) : 92.9mm
Item	A301.5M		A125M	
Tube				
Volume (ml)	0.2	0.5	1.5 / 2.0	5
Adaptor / tube rack				
Item	F1.5A-0.2	F1.5A-0.5		
Number per rack / rotor	30	30	30	12
Adaptor bore (mm)	6.5	8	11	17
Max. height for use (mm)	44	52	61	67
RPM	14,000	14,000	14,000	14,000
Radius (mm)	80.3	86.7	94.8	92.9
RCF	17,596	18,998	20,773	20,357

●●● AVAILABLE ANGLE

<b>Rotor</b>	 <p>Fixed Angle rotor ∠45° 18 x 1.5ml Radius(mm) : 72.8mm</p>			 <p>Fixed Angle Rotor ∠45° 18 x 1.5ml Radius(mm) : 74.8</p>		
<b>Item</b>	<b>A181.5M</b>			<b>A181.5MH</b>		
<b>Tube</b>						
<b>Volume (ml)</b>	0.2	0.5	1.5 / 2.0	0.2	0.5	1.5 / 2.0
<b>Adaptor / tube rack</b>						
<b>Item</b>	F1.5A-0.2	F1.5A-0.5		F1.5A-0.2	F1.5A-0.5	
<b>Number per rack / rotor</b>	18	18	18	18	18	18
<b>Adaptor bore (mm)</b>	6.5	8	11	6.5	8	11
<b>Max. height for use (mm)</b>	44	52	61	44	52	63
<b>RPM</b>	14,000	14,000	14,000	15,000	15,000	15,000
<b>Radius (mm)</b>	80.3	86.7	94.8	60.4	66.3	74.8
<b>RCF</b>	17,596	18,998	20,773	15,194	16,678	18,816

<b>Rotor</b>	 <p>Fixed Angle rotor ∠30° 6 x 50ml Radius(mm) : 108.3</p>				 <p>Fixed Angle Rotor ∠45° 48 x 1.5ml Radius(mm) : 94.8</p>		
<b>Item</b>	<b>A650M<sup>1)</sup></b>				<b>A481.5M</b>		
<b>Tube</b>							
<b>Volume (ml)</b>	15 Conical	15	50 Conical	50 Conical Skirted	0.2	0.5	1.5 / 2.0
<b>Adaptor / tube rack</b>							
<b>Item</b>	F50CA-15C	S50A-15	S50A-50C		F1.5A-0.2	F1.5A-0.5	
<b>Number per rack / rotor</b>	6	6	6	6	48	48	48
<b>Adaptor bore (mm)</b>	17.0	18	30	30	6.5	8	11
<b>Max. height for use (mm)</b>	120	119	119	119	In 51 Out 44	In 62 Out 54	In 70 Out 61
<b>RPM</b>	8,000	8,000	8,000	8,000	13,000	13,000	13,000
<b>Radius (mm)</b>	92.2	98.9	100.5	100.5	In 70.3 Out 80.3	In 76.7 Out 86.7	In 84.8 Out 94.8
<b>RCF</b>	6,597	7,076	7,191	7,191	In 13,283 Out 15,172	In 14,492 Out 16,381	In 16,022 Out 17,912

● 1) A650M : Not suitable for 50ml round bottom tube.

## ••• AVAILABLE SWING ROTORS

<b>Rotor</b>					
	Swing Out Rotor 24 x 1.5ml Radius(mm) : 86.5			Swing out rotor Max.RPM : 5,000 Radius(mm) : 95	
<b>Item</b>	S61.5M			S2M-MTP	
<b>Buket</b>					
<b>Item</b>	B1.5				
<b>Tube</b>					
<b>Volume (ml)</b>	0.2	0.5	1.5 / 2.0		
<b>Adaptor / tube rack</b>					
<b>Item</b>	F1.5A-0.2	F1.5A-0.5		MTP	DWP
<b>Number per rack / rotor</b>	4/24	4/24	4/24	2/4	1/4
<b>Adaptor bore (mm)</b>	6.5	8	11	-	-
<b>Max. height for use (mm)</b>	29	36	47	-	-
<b>RPM</b>	13,000	13,000	13,000	5,000	5,000
<b>Radius (mm)</b>	67	75	86.5	95	95
<b>RCF</b>	12,659	14,171	16,343	2,655	2,655

CRYSTE high speed / large capacity model gives the **convenience** of operating a laboratory centrifuge through intuitive **CRYSTE FLIP**



- Easy control from **Finger-tip use**
- Fast **'SAVE & LOAD'** for a variety of programs
- Rotor information in display & **Automatic** identification