

MICRO CENTRIFUGE PURISPIN 18R

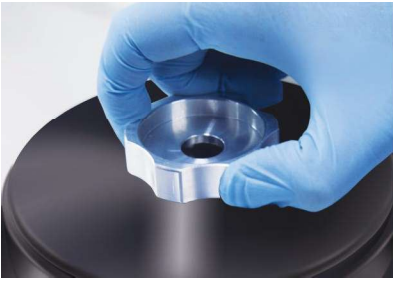


Refrigerated micro centrifuge with powerful g-force and high throughput

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	1.5/2.0x24
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, Key lock	
Available Rotor Quantity	11	
Power Supply	AC 230V ± 10%, 50-60Hz, 1Phase	
Power Consumption	1,5KW	
Dimension (W x D x H)	382 x 669 x 328mm(H:684mm with open lid)	
Weight (without rotor)	52Kg	

MAIN FEATURE



GRYSTE AXLOCK

The lid of the 24hole rotor (AS241.5MX) to which the AXLOCK function is applied can be opened and closed easily and quickly with only a short rotation.



GRYSTE 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.



Aerosol tightness angle rotor

It protects the safety of experimenters by isolating aerosols containing infectious factors such as pathogenic microorganisms. It is certified by TUV NORD in compliance with IEC61010-2-020:2016 Annex AA.



Accurate and stable temperature maintenance function



Fast acceleration/ deceleration time



Energy Saving



Refrigeration & Fast Cooling



Up to 50ml tubes, even in a microcentrifuge



Silent Operation

AVAILABLE ANGLE ROTORS

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 ¹⁾			
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	11.1	6.5	8	11.1	
Max. height for use (mm)	-	-	44	51	61	44	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

AVAILABLE ANGLE ROTORS

Rotor	 <p>Fixed Angle rotor $\angle 45^\circ$ 30 x 1.5ml Radius(mm) : 94.8</p>			 <p>Fixed Angle rotor $\angle 45^\circ$ 12 x 5ml Radius(mm) : 92.9mm</p>	
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	11.1	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	


Rotor	 <p>Fixed Angle rotor $\angle 45^\circ$ 18 x 1.5ml Radius(mm) : 72.8mm</p>			 <p>Fixed Angle Rotor $\angle 45^\circ$ 18 x 1.5ml Radius(mm) : 74.8</p>		
Item	A181.5MS			A181.5MH		
Tube						
Volume (ml)	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	18	18	18	18	18	18
Adaptor bore (mm)	6.5	8	11.1	6.5	8	11.1
Max. height for use (mm)	43	51	61	44	52	63
RPM	14,000	14,000	14,000	15,000	15,000	15,000
Radius (mm)	80.3	86.7	94.8	60.4	66.3	74.8
RCF	17,596	18,998	20,773	15,194	16,678	18,816

AVAILABLE ANGLE ROTORS

Rotor	 <p>Fixed Angle Rotor $\angle 45^\circ$ 48 x 1.5ml Radius(mm) : 94.8</p>			 <p>Fixed Angle rotor $\angle 30^\circ$ 6 x 50ml Radius(mm) : 108.3</p>		
Item	A481.5M			A650M ²⁾		
Tube						
Volume (ml)	0.2	0.5	1.5 / 2.0	15 Conical	50 Conical	50 Conical Skirted
Adaptor / tube rack						
Item	F1.5A-0.2	F1.5A-0.5		F50CA-15C	S50A-50C	
Number per rack / rotor	48	48	48	6	6	6
Adaptor bore (mm)	6.5	8	11.1	17.0	30	30
Max. height for use (mm)	In 51 Out 44	In 62 Out 54	In 70 Out 61	120	119	119
RPM	13,000	13,000	13,000	8,000	8,000	8,000
Radius (mm)	In 70.3 Out 80.3	In 76.7 Out 86.7	In 84.8 Out 94.8	92.2	100.5	100.5
RCF	In 13,283 Out 15,172	In 14,492 Out 16,381	In 16,022 Out 17,912	6,597	7,191	7,191

• 2) A650M : Not suitable for 50ml round bottom tube. 3) Included as standard when ordering A650M.

AVAILABLE SWING ROTORS

Rotor	 <p>Swing Out Rotor 24 x 1.5ml Radius(mm) : 86.5</p>			 <p>Swing out rotor Max.RPM : 5,000 Radius(mm) : 95</p>	
Item	S61.5M			S2M-MTP	
Buket					
Item	B1.5				
Tube					
Volume (ml)	0.2	0.5	1.5 / 2.0	MTP	DWP
Adaptor / tube rack					
Item	F1.5A-0.2	F1.5A-0.5			
Number per rack / rotor	4/24	4/24	4/24	2/4	1/2
Adaptor bore (mm)	6.5	8	11.1	-	-
Max. height for use (mm)	29	36	47	-	-
RPM	13,000	13,000	13,000	5,000	5,000
Radius (mm)	67	75	86.5	95	95
RCF	12,659	14,171	16,343	2,655	2,655

ORDER INFORMATION

	ITEM	DESCRIPTIONS
Main Body	PURISPIN 18R	PURISPIN 18R, refrigerated, without rotor, AC 230V \pm 10% 50/60Hz, EU Standard Plug
Angle Rotor	A480.2M	0.2ml x 48 fixed angle rotor for PCR strips (Max 11,000RPM)
	A241.5M	1.5/2.0ml x 24 fixed angle rotor(Max 18,000RPM)
	AS241.5MX	1.5/2.0ml x 24 fixed angle Aerosol-tight with AxI lock rotor(Max 18,000RPM)
	A301.5M	1.5/2.0ml x 30 fixed angle rotor(Max 14,000RPM)
	A481.5M	1.5/2.0ml x 48 fixed angle rotor(Max 13,000RPM)
	A181.5MS	1.5/2.0ml x 18 fixed angle rotor(Max 14,000RPM)
	A181.5MH	1.5/2.0ml x 18 fixed angle rotor(Max 15,000RPM)
	A125M	5ml x 12 fixed angle rotor(Max 14,000RPM)
Swing Rotor	A650M	50ml conical x 6 fixed angle rotor with adaptors(S50A-50C, 6EA)(Max 8,000RPM)
	S61.5M	6-wing swing rotor with 1.5/2.0ml x 4 rectangular buckets(Max 13,000RPM)
	S2M-MTP	2 - wing micro plate swing rotor (Max 5,000RPM)

