CRYSTE

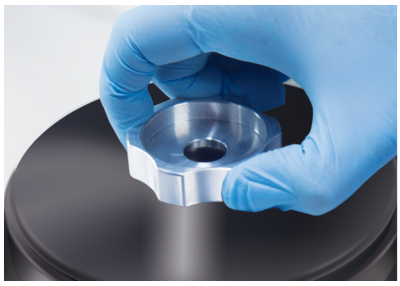
MICRO CENTRIFUGE PURISPIN 18R

온도에 민감한 시료를 다루고, 0.2ml~50ml 사이즈
튜브까지 안정적으로 시료 처리 가능한
냉장형 마이크로 원심분리기

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℃ ~ +40℃ (1℃ 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	10	
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

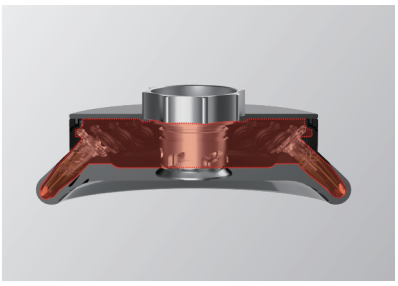


CRYSTE AXLLOCK

AXLLOCK 기능이 적용 된 24 hole 로터 (AS241.5MX)는 짧은 회전만으로 손쉽고 빠르게 개폐가 가능합니다.

CRYSTE FLIP 터치 컨트롤러

사용자 친화적인 4.3 인치 Full컬러 터치 LCD 컨트롤러 모든 설정 파라미터를 한눈에 확인 가능 터치 패드 잠금 장치를 통한, 작동 중 오용 방지

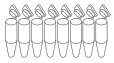


Aerosol-tight 기능 탑재 로터

병원성 미생물 등 감염인자가 포함된 에어로졸을 격리하여, 실험자의 안전을 보호합니다. TUV NORD로부터 안전인증 (IEC61010-2-020:2016 Annex AA) 받은 바이오씰이 적용되었습니다.

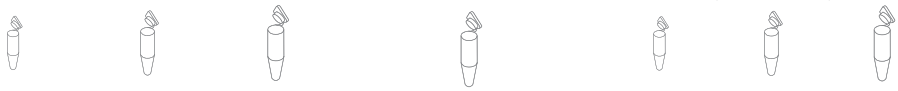
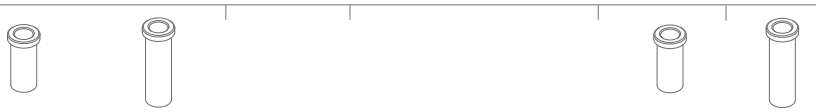
- 정확하고 안정적인 온도유지가 가능
- 빠른 가/감속 시간
- 에너지절약
- 저소음 구현
- 냉장 및 신속 냉각 기능
- 마이크로 원심분리기 50ml튜브까지 가능

AVAILABLE ANGLE ROTORS

Rotor	Fixed Angle Rotor ∠45° 48 x 0.2ml Radius(mm) : 83.5		BEST Fixed Angle Rotor ∠ 45° 24 x 1.5ml Radius(mm) : 84.8			Fixed Angle Rotor ∠ 45° 24 x 1.5ml Radius(mm) : 84.8 Aerosol-tight AXLLOCK		
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

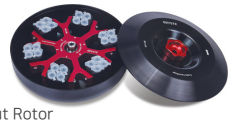
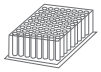
AVAILABLE ANGLE ROTORS

Rotor	Fixde Angle rotor ∠ 45° 30 x 1.5ml Radius(mm) : 94.8			Fixed Angle rotor ∠45° 12 x 5ml Radius(mm) : 92.9mm	Fixed Angle Rotor ∠ 45° 18 x 1.5ml Radius(mm) : 74.8		
Item	A301.5M			A125M	A181.5MH		
Tube							
Volume (ml)	0.2	0.5	1.5 / 2.0	5	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	30	30	30	12	18	18	18
Adaptor bore (mm)	6.5	8	11.1	17	6.5	8	11.1
Max. height for use (mm)	44	52	61	67	44	52	63
RPM	14,000	14,000	14,000	14,000	15,000	15,000	15,000
Radius (mm)	80.3	86.7	94.8	92.9	60.4	66.3	74.8
RCF	17,596	18,998	20,773	20,357	15,194	16,678	18,816

Rotor	Fixed Angle Rotor ∠ 45° 48 x 1.5ml Radius(mm) : 94.8			Fixed Angle rotor ∠30° 6 x 50ml Radius(mm) : 108.3		
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. 2) Included as standard when ordering A650M.

AVAILABLE SWING ROTORS

Rotor	 Swing Out Rotor 24 x 1.5ml Radius(mm) : 86.5			 BEST Swing out rotor Max.RPM : 5,000 Radius(mm) : 95	
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	ORDER CODE
Main Body	PURISPIN 18R Set	PURISPIN 18R , refrigerated with rotor A650M, including Adaptors , S50A-50C	P18R-SET
	PURISPIN 18R	PURISPIN 18R, refrigerated, with 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 Axl 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
	A181.5MH	1.5/2.0ml x 18 fixed angle rotor(Max 15,000RPM)	P18R-AR6
	A125M	5ml x 12 fixed angle rotor(Max 14,000RPM)	P18R-AR7
	A650M	50ml x 6 fixed angle rotor(Max 8,000RPM)	P18R-AR8
Swing Rotor	S61.5M	6-wing swing rotor with 1.5/2.0ml x 6 rectangular buckets(Max 13,000RPM)	P18R-SR1
	S2M-MTP	2 - wing micro plate swing rotor (Max 5,000RPM)	P18R-SR2