

CRYSTE ✨

LABORATORY & SEPARATION TECHNOLOGY

Bio Safety Cabinets • Centrifuges
Autoclaves • Ovens • Incubators • Baths

www.cryste.co.kr

LABORATORY CENTRIFUGES

CRYSTE LABORATORY SOLUTIONS

크리스티 **lab.** CRYSTE LABORATORY



CRYSTE Centrifuge Selection Guide

 Centrifuge	Floor-top High Speed				Micro					
	VELOSPIN L22R		VELOSPIN L17R		PURISPIN L18R		PURISPIN L17R		PURISPIN L15	PURISPIN 6
										
Rotor Type(Angle/Swing)	Angle	Swing	Angle	Swing	Angle	Swing	Angle	Swing	Angle	Angle
Max. RCF	54,057 xg	3,265 xg	32,278 xg	3,265 xg	30,717 xg	16,343 xg	23,522 xg	16,343 xg	21,608 xg	1,800 xg
Max. RPM	22,000	4,000	17,000	4,000	18,000	13,000	17,000	13,000	15,000	6,200
Refrigeration										
Max. Capacity										
PCR Strip 	48		48		48		48		48	32
Micro Tubes (0.2~2.0ml) 	48		48		48	24	30	24	30	8
2.0ml Column 					18					
Micro Tubes (5.0ml) 					12		12		10	
5ml Conical 		36		36						
3ml 		48		48						
5ml 		48		48						
10ml 		48		48						
15ml 	12	48	12	48						
15ml Conical 	12	36	12	36	6					
50ml 	8	16	8	16						
50ml Conical 	8	12	8	12	6					
50ml Skirted 					6					
85ml 	6	8	6	8						
100ml 										
250ml 	6	4	6	4						
225ml Conical 										
500ml 	6		6							
500ml Conical 										
750ml 										
1000ml 	6									
MTP 		16		16		4				
DWP 		4		4		2				



Multi Large								Multi					
VARISPIN L15R		VARISPIN L15		VARISPIN L12R		VARISPIN L12		VARISPIN L6R		VARISPIN L6		VARISPIN L4	
													
Angle	Swing	Angle	Swing	Angle	Swing	Angle	Swing	Angle	Swing	Angle	Swing	Angle	Swing
23,847 xg	4,947 xg	23,847 xg	3,667 xg	16,647 xg	4,947 xg	16,647 xg	3,461 xg	5,357 xg	3,781 xg	5,357 xg	2,987 xg	2,689 xg	2,987 xg
15,000	5,000	15,000	4,000	12,000	5,000	12,000	4,000	6,000	4,500	6,000	4,000	4,000	4,000
													
48		48		48		48							
48		48		48		48			24		24		24
	56		56		36		36		12		28		12
	96		96		48		48	24		24	48	24	
	96		96		48		48	24	20	24	48	24	20
	76		76		48		48	24	16	24	48	24	16
12	76	12	76	12	48	12	48	24	12	24	48	24	12
12	56	12	56	12	36	12	36	24	12	24	28	24	12
8	28	8	28	8	16	8	16		4		16		6
8	20	8	20	8	12	8	12	8	4	8	12		6
											6		6
6	8	6	8	6	8	6	8		4		8		4
									4		4		4
4	4	4	4		4		4				4		
	4		4										
	4		4										
	4		4										
	4		4										
	16		16		16		16		4		4		4
	4		4		4		4		2		2		2



FLOOR-TOP CENTRIFUGE

강력한 모터의 원심력과 고성능 냉각 장치로 **대용량 시료를 안정적으로 분리**할 수 있으며, 각 실험사이클 간 유휴 대기 시간을 최소화하여 **실험실 효율성을 극대화**한 플로어탑 고속 원심분리기입니다.



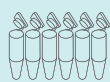
VELOSPIN L22R

	Angle rotor	Swing rotor
RPM	22,000	4,000
RCF	54,057 xg	3,265 xg
Capacity	1,000ml x 6	250ml x 4



VELOSPIN L17R

	Angle rotor	Swing rotor
RPM	17,000	4,000
RCF	32,278 xg	3,265 xg
Capacity	500ml x 6	250ml x 4



6 x PCR strips in Angle
Max. 12,000RPM/13,443 xg



30 x 1.5ml in Angle
Max. 22,000RPM/51,297 xg



48 x 3/5/10ml in Swing
Max. 4,000RPM/3,175 xg



12 x 15ml(c) in Angle
Max. 20,000RPM/45,122 xg
36 x 15ml(c) in Swing
Max. 4,000RPM / 3,232 xg



6 x 50ml in Angle
Max. 22,000RPM/54,507 xg



6 x 50ml(c) in Angle
Max. 17,000RPM/30,921 xg
12 x 50ml(c) in Swing
Max. 4,000RPM / 3,229 xg



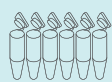
6 x 85ml in Angle
Max. 20,000RPM/44,631 xg



4 x 250ml in Swing
Max. 4,000RPM / 3,229 xg
6 x 250ml in Angle
Max. 12,000RPM/22,281 xg
6 x 500ml in Angle
Max. 10,000RPM / 17,664 xg
6 x 1000ml in Angle
Max. 7,000 / 10,863 xg



16 x MTP / 4 x DWP in Swing
Max. 4,000RPM/2,746 xg



6 x PCR strips in Angle
Max. 12,000RPM/13,443 xg



30 x 1.5ml in Angle
Max. 17,000RPM/30,630 xg



48 x 3/5/10ml in Swing
Max. 4,000RPM/3,175 xg



12 x 15ml(c) in Angle
Max. 15,000RPM/25,381 xg
36 x 15ml(c) in Swing
Max. 4,000RPM / 3,232 xg



6 x 50ml in Angle
Max. 17,000RPM/32,278 xg



6 x 50ml(c) in Angle
Max. 15,000RPM/24,073 xg
12 x 50ml(c) in Swing
Max. 4,000RPM / 3,229 xg



6 x 85ml in Angle
Max. 15,000RPM/25,105 xg



4 x 250ml in Swing
Max. 4,000RPM / 3,229 xg
6 x 250ml in Angle
Max. 10,000RPM/15,473 xg
6 x 500ml in Angle
Max. 8,000RPM / 11,305 xg



16 x MTP / 4 x DWP in Swing
Max. 4,000RPM/2,746 xg

ROTOR RANGE

Angle Rotor

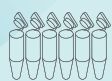
Applicable Model							
	A480.2H (0.2ml x 8 x 6)	A301.5H (1.5ml x 30)	A481.5H (1.5ml x 48)	A1215H (15ml x 12)	A1215HC (15ml conical x 12)	A650H (50ml x 6)	A650HC (50ml conical x 6)
VELOSPIN L22R	■	■	■	■	■	■	■
VELOSPIN L17R	■	■	■	■	■	■	■
Applicable Model							
	A850H (50ml x 8)	A685H (85ml x 6)	A6250H (250ml x 6)	A6500H (500ml x 6)	A41000H (1000ml x 4)	A61000H (1000ml x 6)	
VELOSPIN L22R	■	■	■	■	■	■	
VELOSPIN L17R	■	■	■	■			

Swing Rotor

Applicable Model	
	S4250HE (250ml x 4)
VELOSPIN L22R	■
VELOSPIN L17R	■

BENCH-TOP MICRO CENTRIFUGE

실험실, 병원, 대학 연구실 등 여러 분야에서 사용할 수 있는 **다양한 기능을 갖춘 냉장형 마이크로 원심분리기**로서, **PCR, 핵산** 등을 효율적으로 분기하게 해주며 **빠른 냉각**으로 효율적인 실험을 지원합니다.



6 x PCR strips in Angle
Max. 11,000RPM/11,296 xg



24 x 1.5ml in Angle
Max. 18,000RPM/30,717 xg
48 x 1.5ml in Angle
Max. 13,000RPM / 17,912 xg
12 x 5ml in Angle
Max. 14,000RPM / 20,357 xg



6 x 15ml(c) in Angle
Max. 8,000RPM/6,597 xg



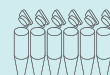
6 x 50ml(c) in Angle
Max. 8,000RPM / 7,191 xg



4 x MTP / 2 x DWP in Swing
Max. 5,000RPM/2,655 xg

PURISPIN L18R

	Angle rotor	Swing rotor
RPM	18,000	13,000
RCF	30,717 xg	16,343 xg
Capacity	50ml Conical x 6	1.5/2.0ml x 24



6 x PCR strips in Angle
Max. 11,000RPM/11,296 xg



18 x 1.5ml in Angle
Max. 17,000RPM/23,522 xg
24 x 1.5ml in Angle
Max. 15,000RPM/21,331 xg
30 x 1.5ml in Angle
Max. 14,000RPM / 20,773 xg
12 x 5ml in Angle
Max. 14,000RPM / 20,357 xg

PURISPIN L17R

	Angle rotor	Swing rotor
RPM	17,000	13,000
RCF	23,522 xg	16,343 xg
Capacity	1.5/2.0ml x 30	1.5/2.0ml x 24

ROTOR RANGE

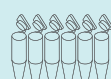
Angle Rotor

Applicable Model	A480.2M (0.2ml x 8 x 6)	A241.5M (1.5ml x 24)	AS241.5MX (1.5ml x 24)	A301.5M (1.5ml x 30)	A481.5M (1.5ml x 48)	A181.5MS (1.5ml x 18)	A181.5MH (1.5ml column x 18)	A125M (5ml x 12)	A650M (50ml conical x 6)
VARISPIN L18R	■	■	■	■	■	■	■	■	■
VARISPIN L17R	■	■	■	■	■	■	■	■	■

Swing Rotor

Applicable Model	S61.5M (1.5ml x 4 x 6)	S2M-MTP (4MTP / 2DWP)
VARISPIN L18R	■	■
VARISPIN L17R	■	■

핵산 분리 연구에 널리 사용되는 **마이크로 원심분리기**입니다.



6 x PCR strips in Angle
Max. 11,000RPM/11,296 xg



24 x 1.5ml in Angle
Max. 15,000RPM/21,331 xg
30 x 1.5ml in Angle
Max. 12,000RPM / 15,262 xg
10 x 5ml in Angle
Max. 15,000RPM / 21,608 xg

ROTOR RANGE

Angle Rotor

Applicable Model	A480.2S (0.2ml x 8 x 6)	A241.5S (1.5ml x 24)	A301.5S (1.5ml x 30)	A105S (5ml x 10)
PURISPIN L15	■	■	■	■

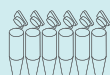
PURISPIN L15

	Angle rotor
RPM	15,000
RCF	21,608 xg
Capacity	1.5/2.0ml x 30 5ml x 10



PURISPIN 6

	Angle rotor
RPM	6,200
RCF	1,800 xg
Capacity	8 x 0.2/0.5/ 1.5/2.0ml



4 x PCR strips in Angle
Max. 6,200RPM/1,800 xg



8 x 1.5ml in Angle
Max. 6,200RPM/1,800 xg

BENCH-TOP MULTI CENTRIFUGE

탁상형 멀티 원심분리기 시리즈는 챔버의 큰 크기 덕분에 다양한 로터의 사용이 가능하며, 폭넓은 어플리케이션을 지원합니다. 혈액 분리, 임상 병리학 및 일반 분자 실험 등에서 대량의 시료를 쉽게 다룰 수 있습니다.



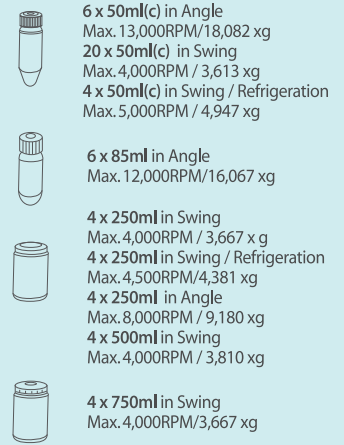
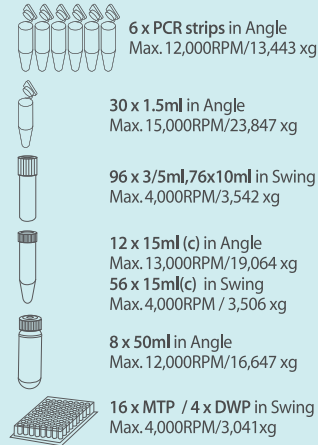
VARISPIN L15R

	Angle rotor	Swing rotor
RPM	15,000	5,000
RCF	23,847 xg	4,947 xg
Capacity	250ml x 4	750ml x 4



VARISPIN L15

	Angle rotor	Swing rotor
RPM	15,000	4,000
RCF	23,847 xg	3,667 xg
Capacity	250ml x 4	750ml x 4



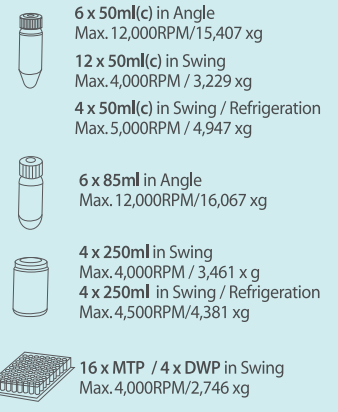
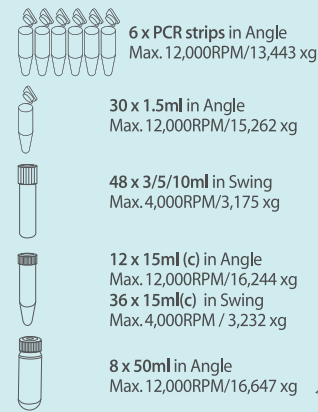
VARISPIN L12R

	Angle rotor	Swing rotor
RPM	12,000	5,000
RCF	16,647 xg	4,947 xg
Capacity	85ml x 6	250ml x 4



VARISPIN L12

	Angle rotor	Swing rotor
RPM	12,000	4,000
RCF	16,647xg	3,461 xg
Capacity	85ml x 6	250ml x 4



ROTOR RANGE

Angle Rotor

Applicable Model	A480.2T (0.2ml x 8 x 6)	A301.5T (1.5ml x 30)	AS301.5TX (1.5ml x 30)	A481.5T (1.5ml x 48)	A1215T (15ml x 12)	A1215TC (15ml conical x 12)	A650T (50ml x 6)
VARISPIN L15R	■	■	■	■	■	■	■
VARISPIN L15	■	■	■	■	■	■	■
VARISPIN L12R	■	■	■	■	■	■	■
VARISPIN L12	■	■	■	■	■	■	■

Applicable Model	A650TC (50ml conical x 6)	A850T (50ml x 8)	A685T (85ml x 6)	AS685TX (85ml x 6)	A4250T (250ml x 4)		
VARISPIN L15R	■	■	■	■	■		
VARISPIN L15	■	■	■	■	■		
VARISPIN L12R	■	■	■	■	■		
VARISPIN L12	■	■	■	■	■		

Swing Rotor

Applicable Model	S4250TE (250ml x 4)	S4250T (250ml x 4)	S4100T (100ml x 4)	S4750T (750ml x 4)
VARISPIN L15R	■	■	■	■
VARISPIN L15	■	■	■	■
VARISPIN L12R	■	■	■	
VARISPIN L12	■	■		

BENCH-TOP MULTI LOW SPEED CENTRIFUGE

중간 용량의 샘플을 충분히 처리할 수 있을 만큼 적절한 크기의 챔버를 가진 원심분리기로서, 앵글 로터와 스윙 로터를 옵션으로 사용할 수 있습니다. 이 시리즈는 **냉장 상태에서** 비교적 반복적인 패턴으로 혈액/뇨 등 분리하도록 최적화되어 있습니다.



VARISPIN L6R

Angle Rotor	RPM	RCF	Capacity
	6,000	5,357 xg	50mlx8

Swing Rotor	RPM	RCF	Capacity
	4,500	3,781 xg	100ml x 4

24 x 1.5ml in Swing
Max. 4,500RPM/3,713 xg

8 x 15ml (c) in Angle
Max. 6,000RPM/5,244 xg
12 x 15ml(c) in Swing
Max. 4,500RPM / 3,781 xg

24 x 3ml in Angle
Max. 4,000RPM/2,227 xg

24 x 5ml in Angle
Max. 4,000RPM/2,556 xg
20 x 5ml in Swing
Max. 4,500RPM/3,713 xg

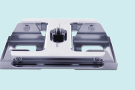
24 x 10ml in Angle
Max. 4,000RPM/2,585 xg
16 x 10ml in Swing
Max. 4,500RPM/3,713 xg

8 x 50ml(c) in Angle
Max. 6,000RPM/5,357 xg
4 x 50ml(c) in Swing
Max. 4,500RPM / 3,781 xg

4 x 100ml in Swing
Max. 4,500RPM/3,713 xg

4 x MTP / 2 x DWP in Swing
Max. 4,000RPM/2,003 xg

ROTOR RANGE

	Angle Rotor			Swing Rotor			
Applicable Model							
	AL1615G (15ml x 16)	AL2415G (15ml x 24)	A850GC (50ml conical x 8)	S650G (50ml x 6)	S4100G (100ml x 4)	S4250GE (250ml x 4)	S2G-MTP (4MTP x 2DWP)
VARISPIN L6R	■		■		■		■
VARISPIN L6	■	■	■	■	■	■	■
VARISPIN L4	■	■		■	■		■

다양한 로터를 사용하여 혈액 샘플 연구에 필요한 요구 사항을 충족할 수 있습니다. 챔버의 크기는 **중간 용량의 샘플을** 처리할 수 있을 만큼 충분히 크며, 앵글 로터와 스윙 로터를 옵션으로 사용할 수 있습니다. 이 시리즈는 반복적으로 시료의 원심분리를 처리하도록 최적화되어 있으며, 넓은 Blue LCD 화면의 컨트롤러는 필수 파라미터에 대한 정보를 직관적으로 제공합니다.



VARISPIN L6

Angle Rotor	RPM	RCF	Capacity
	6,000	5,357 xg	50ml conical x 8

Swing Rotor	RPM	RCF	Capacity
	4,000	2,987 xg	250ml x 4

24 x 1.5ml in Swing
Max. 4,000RPM/2,934 xg

24 x 3ml in Angle
Max. 4,000RPM/2,227 xg

24 x 5ml in Angle
Max. 4,000RPM/2,556 xg

24 x 10ml in Angle
Max. 4,000RPM/2,585 xg

48 x 3/5/10ml in Swing
Max. 3,500RPM/2,226 xg

48 x 15ml in Swing
Max. 3,500RPM/2,226 xg

8 x 15ml (c) in Angle
Max. 6,000RPM/5,244 xg

6 x 15ml (c) in Swing
Max. 4,000RPM/2,987 xg

28 x 15ml(c) in Swing
Max. 3,500RPM / 2,294 xg

6 x 50ml in Swing
Max. 4,000RPM/2,987 xg

16 x 50ml in Swing
Max. 3,500 RPM / 2,226 xg

8 x 50ml(c) in Angle
Max. 6,000RPM/5,357 xg

6 x 50ml(c) in Swing
Max. 4,000RPM/2,987 xg

12 x 50ml(c) in Swing
Max. 3,500RPM / 2,294 xg

4 x 100ml in Swing
Max. 4,000RPM/2,934 xg

4 x 250ml in Swing
Max. 3,500RPM / 2,267 xg

4 x MTP / 2 x DWP in Swing
Max. 4,000RPM/2,003 xg



VARISPIN L4

Angle Rotor	RPM	RCF	Capacity
	4,000	2,689 xg	15ml x 24

Swing Rotor	RPM	RCF	Capacity
	4,000	2,987 xg	100ml x 4

24 x 1.5ml in Swing
Max. 4,000RPM/2,934 xg

24 x 15ml (c) in Angle
Max. 4,000RPM/2,486 xg
12 x 15ml(c) in Swing
Max. 4,000RPM / 2,987 xg

24 x 3ml in Angle
Max. 4,000RPM/2,227 xg

24 x 5ml in Angle
Max. 4,000RPM/2,556 xg

20 x 5ml in Swing
Max. 4,000RPM/2,934 xg

24 x 10ml in Angle
Max. 4,000RPM/2,585 xg

16 x 10ml in Swing
Max. 4,000RPM/2,934 xg

16 x 15ml in Angle
Max. 4,000RPM/2,689 xg

24 x 15ml in Angle
Max. 4,000RPM / 2,585 xg

6 x 50ml / 6 x 50ml(c) in Swing
Max. 4,000RPM / 2,987 xg

4 x 100ml in Swing
Max. 4,000RPM/2,934 xg

4 x MTP / 2 x DWP in Swing
Max. 4,000RPM/2,003 xg

www.cryste.co.kr



CRYSTE
LABORATORY &
SEPARATION TECHNOLOGY

**LABORATORY
CENTRIFUGES**
CRYSTE LABORATORY SOLUTIONS

PureSafe
With Certain and Trustworthy Ways



|주|노바프로 NOVAPRO CO.,LTD.

본사 및 공장

경기도 부천시 석천로 397 테크노파크 쌍용3차 302동 1004호

TEL : 032-624-2777 FAX : 02-338-0079 Email : novapro@daum.net

판매법인

**CRYSTE
KOREA**

|주|크리스티 코리아

TEL : 02-335-2989 FAX : 02-334-2989 Email : crystekorea@naver.com