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PCR Solutions Brochure

ThermoFisher Scientific과 함께
DNA 이중나선 구조 발견 70주년을 축하해주세요.








DNA 이중나선 구조발견 70주년 기념
PCR 기기 및 Plasticware
전제품 20% 할인 프로모션 진행중

› 프로모션 기간 : ~6월 30일까지

어떤 PCR 기기가 연구 요구사항에 적합할까요?

자사 소속 엔지니어들은 1987년부터 지금까지 변함 없이 고품질의 Thermal Cycler를 설계 및 제조하고 있습니다. Applied Biosystems™ Thermal Cycler는 안정성과 정확도 뿐만 아니라 사용자에게 친숙한 인터페이스를 갖추고 있는 것으로 정평이 나 있습니다. 또한 자사의 모든 장비 솔루션은 항상 정확하고 일관성 있는 결과를 제공합니다.

	ProFlex™ PCR System	Veriti™ Dx Thermal Cycler	SimpliAmp™ Thermal Cycler
			
Block formats	<ul style="list-style-type: none"> • 3 x 32-well 0.2 mL • 96-well 0.2 mL • 2 x 96-well 0.2 mL • 2 x flat block • 2 x 384-well 0.02 mL 	<ul style="list-style-type: none"> • 96-well 0.2 mL 	<ul style="list-style-type: none"> • 96-well 0.2 mL
User interface	8.4 in. touchscreen	6.5 in. touchscreen	8 in. touchscreen
Warranty	2년	1년	2년
수인 번호	체외 수신 20-2392	체외 수신 20-4008	체외 수신 20-2393

	VeritiPro™ Thermal Cycler	MiniAmp™ and MiniAmp™ Plus Thermal Cyclers
		
Block formats	<ul style="list-style-type: none"> • 96-well plate, 0.2 mL VeriFlex Block 	<ul style="list-style-type: none"> • 96-well 0.2 mL
User interface	8.0 in. touchscreen	5.0 in. touchscreen
Warranty	2년	2년

본 제품은 질병 진단을 위해 특정 유전자(DNA)의 증폭에 사용하는 자동장치로서, 중합효소 연쇄반응(PCR : Polymerase Chain Reaction) 원리를 이용하여 핵산을 증폭하여 질병의 진단에 사용하는 장비입니다.

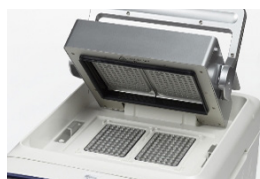
"본 제품은 의료기기이며, 사용시 주의사항과 사용방법을 잘 읽고 사용하십시오"



3 x 32-well



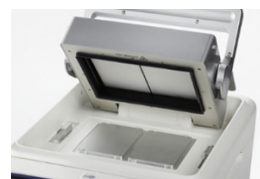
96-well



Dual 96-well



Dual 384-well



Dual flat

Ultimate performance

VeritiPro™ Thermal Cycler

본 제품은 첨단 온도 제어 기술과 빠른 속도를 통해 결과의 신뢰성을 제공합니다.

VeriFlex™ Block 기술이 제공하는 정밀도로 차세대 PCR 최적화 기능을 활용할 수 있습니다. 클라우드를 통해 원격으로 연결이 가능하며 Connect를 사용하여 모바일 장치 또는 PC에서 실시간 확인이 가능하며 컨트롤 할 수 있습니다.



놀라운 속도

Ramp rate : 6°C/sec
최대 2배 빠른 Run time



정확한 온도

6 개의 독립적인 온도 설정 Zone



손쉬운 사용

다양한 Protocol 제공



안심 케어

기본 2년 warranty 제공
Self verification 기능 제공

Block format	96-well, 0.2 mL alloy block
Max. block ramp rate	6.0°C/sec
Max. sample ramp rate	4.4°C/sec
Temperature accuracy	±0.25°C (35–99.9°C)
Temperature range	0–100.0°C
Temperature uniformity	<0.5°C (30 sec after reaching 95°C)
Dimensions (H x W x D)	21.7 x 24.5 x 46.5 cm (8.5 x 9.6 x 18.3 in.)
Weight	12.0 kg (26.5 lb)
PCR volume range	10–100 µL
Instrument memory	USB port and 16 GB onboard memory; onboard capacity >1,000 protocols
Display interface	8-inch color TFT LCD
VeriFlex Blocks range	30°C range across block, 6 temperature zones (up to 10°C zone-to-zone)
Cat. No.	A48141

Routine PCR, elevated

MiniAmp™ Thermal Cyclers



본 제품은 일상적으로 실시하는 PCR에 필요한 모든 기능을 제공하고 있습니다.

다른 PCR 장비 대비 컴팩트한 크기에 저렴한 가격이 특징인 MiniAmp series는 모든 실험실 벤치에서 사용하기에 완벽한 제품입니다.

- **컴팩트한 디자인**

폭 19cm(7.5인치)로 설치 면적을 최소화

- **안전한 원격 접속이 가능한 클라우드 기반 시스템**

Thermo Fisher Connect를 통해 언제 어디서나 장비에 편리하게 접속가능

- **VeriFlex Block 옵션**

MiniAmp™ Plus Thermal Cycler에는 세 가지 독립적인 온도 영역을 지원하는 VeriFlex™ Block이 탑재되어 있어 PCR 최적화를 보다 정확하게 제어 가능하고 정밀한 온도 조절을 통한 incubation 가능

	MiniAmp™ Plus Thermal Cycler	MiniAmp™ Thermal Cycler
Block format	96-well, 0.2 mL 3-zone VeriFlex Block	96-well, 0.2 mL isothermal block
Max block ramp rate*	3.5°C/sec	3.0°C/sec
Max sample ramp rate*	2.7°C/sec	2.2°C/sec
Temperature accuracy	±0.25°C (35–99.9°C)	
Temperature range	0–100.0°C	
Temperature uniformity	<0.5°C (30 sec after reaching 95°C)	
Temperature calibration	Calibrated to standards traceable to the National Institute of Standards and Technology	
Dimensions (H x W x D)	20 x 19 x 39 cm (7.9 x 7.5 x 15.4 in.)	
Weight	5.9 kg (13.0 lb)	
PCR volume range	10–100 µL	
Instrument memory	2,000 MB onboard memory (capacity for >1,000 protocols); USB port for additional external storage	
Display interface	5-inch color TFT LCD	
Power	100–240 V, 50–60 Hz, max. 500 W	
VeriFlex Blocks	3 temperature zones, 20°C range (10°C zone-to-zone)	N/A
Data connectivity**	Cloud or mobile via Ethernet or WiFi	

* At reaction volume of 1 µL.

** The Instrument Connect app, available at Apple™ and Google™ app stores, can be used to monitor your instrument. Thermo Fisher Connect can be used to create and share protocols, schedule an instrument, and start and monitor runs remotely.

PCR 기기 별 권장 PCR Plastics

ProFlex™ Thermal Cycler

Product	Cat. No.
ProFlex™ Base	4483636
ProFlex™ 3x32-well PCR System	4484073
ProFlex™ Dual 96well PCR System	4484076
ProFlex™ Dual 384well PCR System	4484077



Recommended Plastics

3 x 32-well block	Cat. No.	96-well block	Cat. No.	384-well block	Cat. No.
MicroAmp™ TriFlex 3 x 32-Well PCR Reaction Plate	A32811	MicroAmp™ EnduraPlate Optical 96-Well Clear Reaction Plate with Barcode	4483354	MicroAmp™ Optical 384-Well Reaction Plate	4343370
MicroAmp™ 8-Tube Strip with Attached Domed Caps, 0.2 mL	A30589	MicroAmp™ TriFlex 3 x 32-Well PCR Reaction Plate	A32811	MicroAmp™ Optical 384-Well Reaction Plate with Barcode	4309849
MicroAmp™ Reaction Tube with Cap, 0.2 mL	N8010540	MicroAmp™ 8-Tube Strip with Attached Domed Caps, 0.2 mL	A30589	MicroAmp™ EnduraPlate Optical 384-Well Clear Reaction Plate with Barcode	4483285
MicroAmp™ 32-Well Clear Adhesive Film	A32812	MicroAmp™ Clear Adhesive Film	4306311	MicroAmp™ Clear Adhesive Film	4306311
		MicroAmp™ 32-Well Clear Adhesive Film	A32812		

<https://www.thermofisher.com/kr/ko/home/life-science/pcr/pcr-plastics/plastics-selection-guide.html>

더 자세한 정보는 링크 접속하여 확인하세요.
써모피셔에서는 **Plastic Selection Guide**를 제공합니다.



PCR 기기 별 권장 PCR Plastics

VeritiPro™ Thermal Cycler

Product	Cat. No.
VeritiPro™ 384-Well Thermal Cycler	A48140
VeritiPro™ 96-Well Thermal Cycler	A48141



Recommended Plastics

384-well block	Cat. No.
MicroAmp™ Optical 384-Well Reaction Plate	4343370
MicroAmp™ Optical 384-Well Reaction Plate with Barcode	4309849
MicroAmp™ EnduraPlate Optical 384-Well Clear Reaction Plate with Barcode	4483285
MicroAmp™ Clear Adhesive Film	4306311
96-well block	Cat. No.
MicroAmp™ EnduraPlate Optical 96-Well Clear Reaction Plate with Barcode	4483354
MicroAmp™ Optical 96-Well Reaction Plate	N8010560
MicroAmp™ Clear Adhesive Film	4306311
MicroAmp™ TriFlex 3 x 32-Well PCR Reaction Plate	A32811
MicroAmp™ 32-Well Clear Adhesive Film	A32812
MicroAmp™ 8-Tube Strip with Attached Domed Caps, 0.2 mL	A30589



PCR 기기 별 권장 PCR Plastics

SimpliAmp™ Thermal Cycler

Product	Cat. No.
SimpliAmp™ Thermal Cycler	A24811



Recommended Plastics

96-well block	Cat. No.
MicroAmp™ EnduraPlate Optical 96-Well Clear Reaction Plate with Barcode	4483354
MicroAmp™ Optical 96-Well Reaction Plate	N8010560
MicroAmp™ Clear Adhesive Film	4306311
MicroAmp™ TriFlex 3 x 32-Well PCR Reaction Plate	A32811
MicroAmp™ 32-Well Clear Adhesive Film	A32812
MicroAmp™ 8-Tube Strip with Attached Domed Caps, 0.2 mL	A30589

MiniAmp™ Thermal Cycler

Product	Cat. No.
MiniAmp™ Thermal Cycler	A37834
MiniAmp™ Plus Thermal Cycler	A37835



Recommended Plastics

96-well block	Cat. No.
MicroAmp™ EnduraPlate Optical 96-Well Clear Reaction Plate with Barcode	4483354
MicroAmp™ Optical 96-Well Reaction Plate	N8010560
MicroAmp™ Clear Adhesive Film	4306311
MicroAmp™ TriFlex 3 x 32-Well PCR Reaction Plate	A32811
MicroAmp™ 32-Well Clear Adhesive Film	A32812
MicroAmp™ 8-Tube Strip with Attached Domed Caps, 0.2 mL	A30589

ePCR Products

Description	SKU
SimpliAmp™ Thermal Cycler	A24811
MiniAmp™ Thermal Cycler	A37834
MiniAmp™ PLUS Thermal Cycler	A37835
VeritiPro™ 96W Thermal Cycler	A47394
VeritiPro™ 384W Thermal Cycler	A48140
VeritiPro™ 96W Thermal Cycler	A48141
Veriti™ Dx 96W Fast Therm Cycler 0.1 mL	4452299
Veriti™ DX 96W Thermal Cycler 0.2 mL	4452300
Veriti™ DX 384W Thermal Cycler 0.02 mL	4452301
ProFlex™ Base	4483636
ProFlex™ 3X32-Well PCR System	4484073
ProFlex™ DUAL 96Well PCR System	4484076
ProFlex™ DUAL 384W PCR System	4484077

Tubes & Strips Products

Description	Quantity	SKU
MicroAmp™ Reaction Tube with Cap, 0.2 mL	1,000 tubes	N8010540
	10,000 tubes	N8011540
MicroAmp™ Reaction Tube with Cap, 0.2 mL, assorted colors	1,000 tubes	N8010840
MicroAmp™ Reaction Tube with Cap, 0.2 mL, autoclaved	1,000 tubes	N8010612
MicroAmp™ Reaction Tube without Cap, 0.2 mL, assorted colors	1,000 tubes	N8010833
MicroAmp™ Reaction Tube without Cap, 0.2 mL	2,000 tubes	N8010533
MicroAmp™ Fast Reaction Tube with Cap, 0.1 mL	1000 tubes	4358297
MicroAmp™ Fast 8-Tube Strip, 0.1 mL	125 strips	4358293
	300 strips	N8010535
MicroAmp™ 8-Cap Strip, clear	1,500 strips	N8011535
MicroAmp™ 8-Cap Strip, assorted colors	300 strips	N8010835
MicroAmp™ 12-Cap Strip	1,000 strips	N8011534
MicroAmp™ 8-Tube Strip with Attached Domed Caps, 0.2 mL	125 strips	A30589
MicroAmp™ 8-Tube Strip, 0.2 mL	125 strips	N8010580
MicroAmp™ 8-Tube Strip, 0.2 mL, assorted colors	120 strips	N8010838
MicroAmp™ Optical 8-Cap Strips	300 strips	4323032
MicroAmp™ Optical 8-Tube Strip, 0.2 mL	125 strips	4316567
MicroAmp™ Optical 8-Tube Strip with Attached Optical Caps, 0.2 mL	125 strips	A30588
MicroAmp™ Optical Tube without Cap, 0.2 mL	2,000 tubes	N8010933

Others Products

Description	Quantity	SKU
MicroAmp™ Splash-Free 96-Well Base	10 bases	4312063
MicroAmp™ 96-Well Base	10 bases	N8010531

Plates Products

Description	Quantity	SKU
MicroAmp™ Optical 96-Well Reaction Plate	500 plates	4316813
	10 plates	N8010560
MicroAmp™ Optical 96-Well Reaction Plate with Barcode	20 plates	4306737
	500 plates	4326659
MicroAmp™ Optical 96-Well Reaction Plate with Barcode & Optical Adhesive Films	100 plates + 100 films	4314320
MicroAmp™ Optical 96-Well Reaction Plate with Barcode & Optical Caps	20 plates + 300 8-cap Strips	403012
MicroAmp™ Optical 384-Well Reaction Plate	1000 plates	4343370
	50 plates	4309849
MicroAmp™ Optical 384-Well Reaction Plate with Barcode	500 plates	4326270
	1000 plates	4343814
MicroAmp™ Fast Optical 96-Well Reaction Plate, 0.1 mL	10 plates	4346907
MicroAmp™ Fast Optical 96-Well Reaction Plate with Barcode, 0.1 mL	20 plates	4346906
	200 plates	4366932
MicroAmp™ Fast Optical 48-Well Reaction Plate	20 plates	4375816
MicroAmp™ EnduraPlate™ Optical 96-Well Clear Reaction Plates	20 plates	A36924
MicroAmp™ EnduraPlate™ Optical 96-Well Clear Reaction Plates with Barcode	20 plates	4483354
	500 plates	4483352
MicroAmp™ EnduraPlate™ Optical 96-Well Fast Clear Reaction Plates	20 plates	A36930
MicroAmp™ EnduraPlate™ Optical 96-Well Fast Clear Reaction Plates with Barcode	20 plates	4483485
	500 plates	4483494
MicroAmp™ EnduraPlate™ Optical 384-Well Clear Reaction Plates	20 plates	A36931
MicroAmp™ EnduraPlate™ Optical 384-Well Clear Reaction Plates with Barcode	20 plates	4483285
	500 plates	4483273
MicroAmp™ TriFlex 3 x 32-Well PCR Reaction Plate	5 plates	A32810
	20 plates	A32811
MicroAmp™ TriFlex 96-Well PCR Reaction Plate	20 plates	A43673

Films Products

Description	Quantity	SKU
MicroAmp™ Clear Adhesive Film	100 films	4306311
MicroAmp™ Optical Adhesive Film	25 films	4360954
MicroAmp™ Optical Adhesive Film	100 films	4311971
MicroAmp™ Optical Adhesive Film Kit	20 films + 1 applicator + 1 cover compression pad	4313663
MicroAmp™ 32-Well Clear Adhesive Film	100 films	A32812
MicroAmp™ 48-Well Optical Adhesive Film	25 films	4375928
MicroAmp™ 48-Well Optical Adhesive Film	100 films	4375323

Learn more at [thermofisher.com](https://www.thermofisher.com)

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