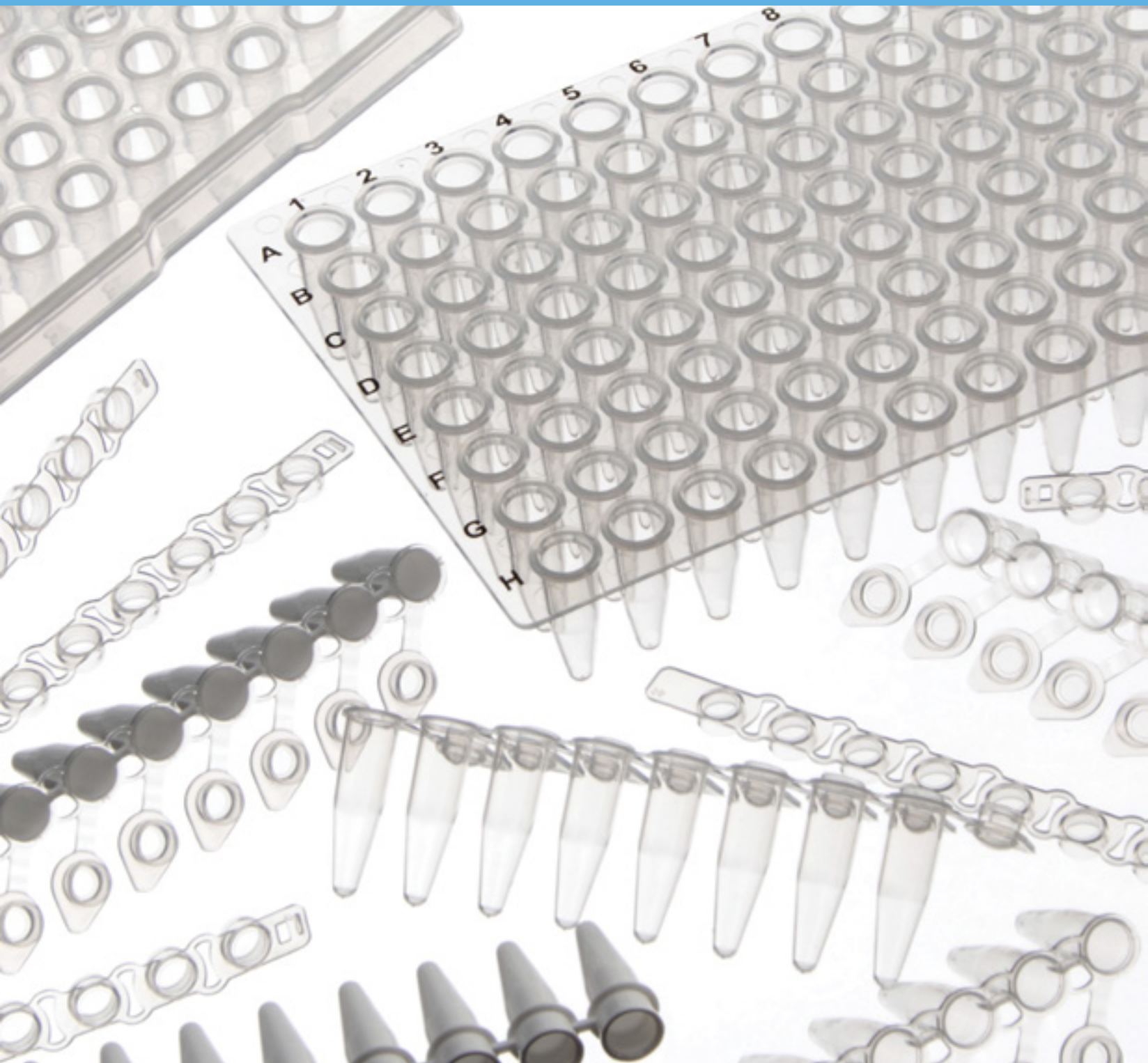




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VOLO PCR Product Guide

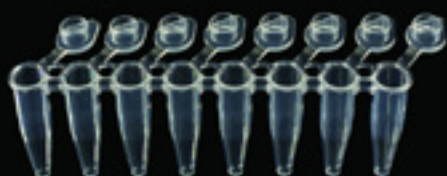
PCR Strips | PCR Plates | PCR Sealing Film

PCR Strips

Optically clear caps & Innovative angular cap attachment

- Angularly attached cap : Tube와 Cap의 연결부위를 강화하여 주위 다른 cap, tube와의 간섭 제거
- Ultra thin wall : 0.25mm 두께의 tube wall을 통하여 효율적인 열 전달과 Crush 방지
- DNase, RNase, DNA, endotoxin and PCR inhibitor free
- Medical grade의 Polypropylene으로 제작하여 real time PCR시 불필요한 background signal을 제거

VOLO Indi-H Strip



휘어지지 않는 Strip tube

- Robust interwell linkages: 강화된 tube 연결부위를 통해 기존 strip tube이 쉽게 휘어지던 문제를 해결
- 완벽한 PCR을 위하여 믿을 수 있고 한결같은 실험 환경을 제공

VOLO Indi-S Strip



- 독립적으로 분리된 cap 디자인을 통해 sample 오염을 방지
- Customizable strips, 손쉬운 tube 분리로 맞춤형 실험 가능

VOLO one-shot Strip



- Hinged attached cap: 빠른 PCR 실험과 효율적인 scale up이 가능
- Optically clear cap을 통하여 real-time PCR에 최적화

Strip PCR Tubes & Caps

Uniform ultra-thin walls for maximum yield



- Ultra thin-wall PCR tubes in strips of 8
- Manufactured with optimized medical grade polypropylene no background signal during real time PCR .
- Standard Profile wells.
- Strips of flat or dome caps.
- Optically clear caps for (real time) qPCR.
- DNase, RNase, DNA, endotoxin and PCR inhibitor free.
- Convenient cap and tube combination packs.

PCR Strip tube Selection Guide



VOLO Indi-H Strip

Item	Tube Size	Strip Description	Cap Description	Packaging
PP-101	0.2 ml standard	strips of 8	flat, optically clear	120 strips per unit, 10 units per case
PP-102	0.1 ml low profile	strips of 8	flat, optically clear	120 strips per unit, 10 units per case



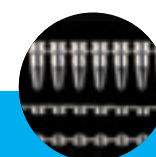
VOLO Indi-S Strip

Item	Tube Size	Strip Description	Cap Description	Packaging
PP-103	0.2 ml standard	strips of 8	dome, clear	120 strips per unit, 10 units per case
PP-104	0.2 ml standard	strips of 8	flat, optically clear	120 strips per unit, 10 units per case



VOLO one-shot Strip

Item	Tube Size	Strip Description	Cap Description	Packaging
PP-105	0.2 ml standard	strips of 8	flat, optically clear	125 strips per unit, 10 units per case



Strip Tubes with Strip Caps

Item	Tube Size	Description	Packaging
PP-106	standard	strips of 8, flat, clear cap strips	125 strips per unit, 10 units per case
PP-107	standard	strips of 8, dome cap strips	125 strips per unit, 10 units per case



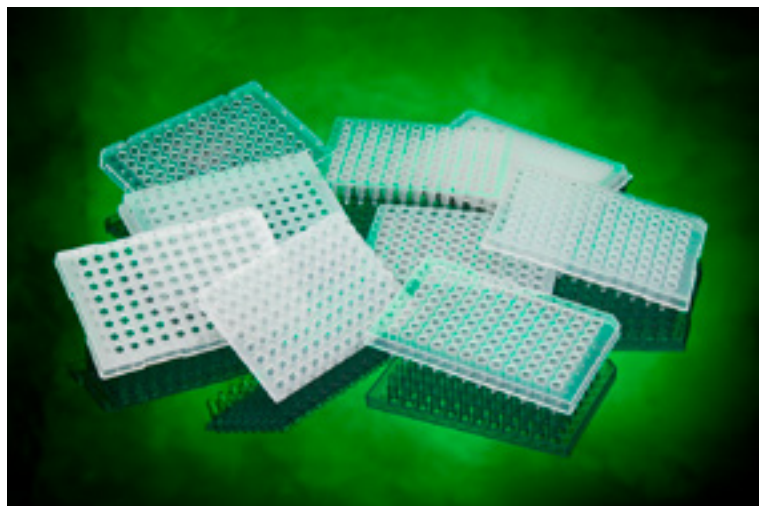
Corbett-Type Strip Tubes and Caps

(Compatible with QIAGEN®/CORBETT® and Rotor-Gene® Instruments)

Item	Tube Size	Strip Description	Packaging
PP-108	0.1 ml	4 tube strip and 4 cap strip	250 strips per unit, 10 units per case

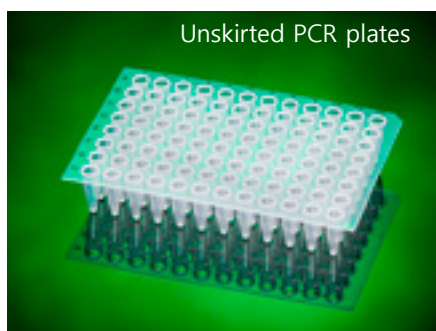
PCR Plates

Comprehensive thermal cycler compatibility.

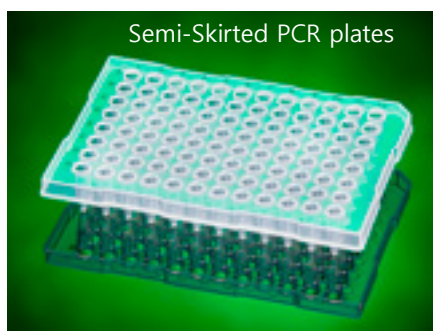


FEATURES AND DETAILS

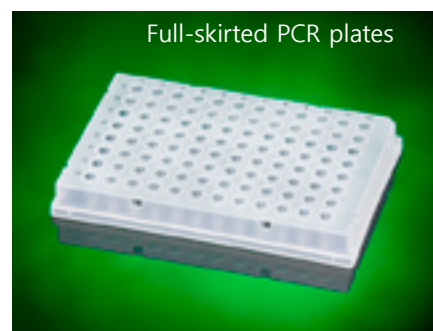
- Thermal cycler 장비들과의 높은 호환성.
- Ultra-thin walls을 통하여 amplification시 효율적인 열 전사능력 제공
- 높은 시인성을 가지도록 디자인 된 알파벳과 숫자 print로 정확한 sample 위치 인식
- Bar-code 표시된 semi, full skirted PCR plate를 통하여 sample 추적 및 관리의 편의성 향상
- 24, 48 well의 size 옵션이 가능(Unskirted PCR Plate)



Unskirted PCR plates

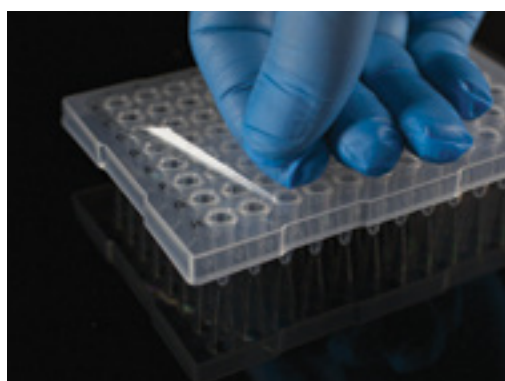


Semi-Skirted PCR plates



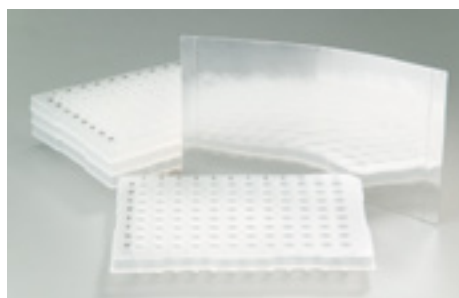
Full-skirted PCR plates

Sealing Film



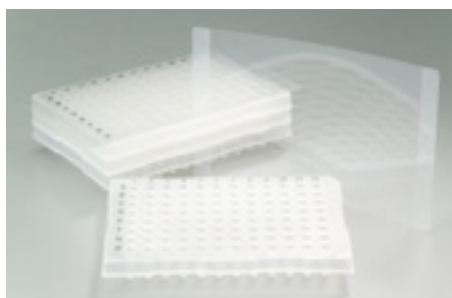
VOLO RT (Real-Time) Pressure Released Film

- Highest level of clarity : 최상의 선명도를 제공하여 Real Time PCR 에 최적화된 Film
- Non-tacky adhesion : Film 분리 시 Plate에 접착 잔여물을 남기지 않는 깔끔한 접착능력으로 최상의 optical analysis 환경을 제공



VOLO foil

매우 부드러운 foil 소재로 plate에 완벽한 밀착



VOLO Standard film

일반적인 96well PCR plate에 최적화



VOLO Sealing Mat

Silicon으로 제작된 sealing mat.

PCR Plate Selection Guide

Unskirted PCR Plates - Also available in 24 and 48 well configurations

Item	Bar-Coded Plate Item	Wells	Well Type	Cut Corner	Packaging
PP-201	n/a	96	standard	A12	10 per unit, 10 units per case
PP-202	n/a	96	low profile	H12	20 per unit, 5 units per case
PP-203	n/a	96	chimney top, standard	H12	10 per unit, 10 units per case

Semi-Skirted PCR Plates

Item	Bar-Coded Plate Item	Wells	Well Type	Cut Corner	Packaging
PP-211	n/a	96	standard	A12	10 per unit, 10 units per case
PP-212	n/a	96	low profile	H1	10 per unit, 10 units per case
PP-213	Bar-Coded	96	raised rim, standard well ABI®-type	A12	10 per unit, 10 units per case
PP-214	n/a	96	low profile, FAST® type	A1	10 per unit, 10 units per case
PP-215	Bar-Coded	96	standard	A12	10 per unit, 10 units per case
PP-216	Bar-Coded	96	low profile, LightCycler® type	H12	10 per unit, 10 units per case

Full-Skirted PCR Plates

Item	Bar-Coded Plate Item	Wells	Well Type	Cut Corner	Packaging
PP-221	Bar-Coded	96	low profile	A12	10 per unit, 10 units per case
PP-222	Bar-Coded	384	two notch type	A24 & P24	10 per unit, 10 units per case
PP-223	Bar-Coded	384	one notch type	A24	10 per unit, 10 units per case

PCR Sealing Films

Item	Seal Type	Material	Dimensions	Packaging
PP-231	Foil	pierceable aluminum	total length of 5.562" (with tabs) total width of 3.25" workable length of 5.00"	100 per unit
PP-232	Standard	clear polypropylene film, acrylic adhesive	total length of 5.562" (with tabs) total width of 3.13" workable length of 5.06"	100 per unit
PP-233	RT (Real-Time) Pressure Released	clear polyolefin film, silicone adhesive	total length of 5.250" (with tabs) total width of 3.00" workable length of 4.63"	100 per unit
PP-234	96 well sealing mat	silicone	total length of 4.67" total width of 2.90"	5 per unit, 10 units per case

Thermal Cycler Compatibility Guide



Manufacturer	Well Shape		PP-201 unskirted	PP-202 unskirted	PP-203 chimney top	PP-211 semi-skirted	PP-212 semi-skirted	PP-213 semi-skirted (raised edge)	PP-214 semi-skirted	PP-215 semi-skirted	PP-216 semi-skirted	PP-221 skirted	PP-223 384-well	PP-222 384-well
	Standard well (Overall height approximately 21mm, maximum capacity > 350µL)		•		•	•		•		•				
	Low profile well (Overall height approximately 16mm, maximum capacity approximately 200µL)			•			•		•		•		50µL	50µL
		Thermal cycler model												
Applied Biosystems	Thermal Cyclers	2700	•		•	•		•		•			•	
		2720						▲						
		6100						▲						
		9600	•		•	•		•		•				
		9700	•		•	•		▲		•			▲	
		9800 "Fast"							•					
		Veriti 0.1ml							▲					
		Veriti 0.2ml						▲		▲				
		Veriti 384											▲	
	Real Time Thermal Cyclers	5700	•			•		•		•				
		PRISM 7000	•			•		▲		▲				
		7300	•			•		▲		▲				
		7500	•			•		▲		▲				
		7500 "Fast"							▲					
		7700	•			•		•		▲				
		7900HT	•			•	•	▲						
		7900HT Fast							▲					
		7900HT 384 Well											▲	
		Step One plus							▲					
		ViiA 7						▲	▲				•	
	Sequencers	Quant Studio 12K Flex						•	•				•	
		PRISM 310	•		•	•		•	▲	▲				
		PRISM 3100	•		•	•		▲	▲	•			▲	
		3130 (XL)	•		•	•		▲	▲	▲			▲	
		3700	•		•	•		▲	▲	▲			▲	
		PRISM 3730 (XL)	•		•	•		▲	▲	▲			▲	
		3500 (XL)						•	•				•	
Bio-Rad/MJ Research	Thermal Cyclers	Gene Cycler	•		•	•		•						
		PTC-100	•	•	•					•		▲	•	
		PTC-200	•	•	•					•		▲	•	
		PTC-225 Tetrad	•	•	•					•		▲	•	
		Dyad/Dyad Disciple	•	•	•					•		▲	•	
		iCycler	•		•					▲		•		
		MyCycler	•		•									
		Mini Gradient	•	•										
		Personal	•							•				
		T100	▲									▲		
	Real Time Thermal Cyclers	DNA Engine family	•	•						•		•	•	•
		C1000/S1000	•	▲						•		•	•	•
		Opticon/Opticon2	•	•								▲		
		Chromo-4		•								•		
		iCycler	•		•					▲		•	•	
		MyiQ	•		•					▲		•		
		iQ5	•		•					▲		•		
		CFX Connect		•						•		•		
		CFX96										▲		
		CFX384											▲	•
Eppendorf	Thermal Cyclers	BaseStation										•		
		Mastercycler	•	•	•					•		•		
		Mastercycler ep Gradient	•		•	•		•		•		▲		
		Mastercycler M384											•	•
		Mastercycler Nexus	•	•						•		•		
		Mastercycler Nexus Gradient	•	•						•		▲		
		Mastercycler Nexus Eco	•	•						•		•		
	Real time Thermal Cyclers	Mastercycler Pro	•							•		•	•	•
		Mastercycler ep Realplex	•		•				•	•		▲		

▲ = Optimal Fit

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Thermal Cycler Compatibility Guide



Manufacturer	Well Shape		PP-201 unskirted	PP-202 unskirted	PP-203 chimney top	PP-211 semi-skirted	PP-212 semi-skirted	PP-213 semi-skirted (raised edge)	PP-214 semi-skirted	PP-215 semi-skirted	PP-216 semi-skirted	PP-221 skirted	PP-223 384-well	PP-222 384-well
	Standard well (Overall height approximately 21mm, maximum capacity > 350µl)		•		•	•		•		•				
	Low profile well (Overall height approximately 16mm, maximum capacity approximately 200µl)			•			•		•		•		50µl	50µl
		Thermal cycler model												
Amersham	Sequencers	MegaBACE 500										•		
		MegaBACE 1000										•		
		MegaBACE 4000											•	
Beckman	Sequencers	CEQ	•											
Biometra	Thermal Cyclers	Uno	•	•	•	•				•		•		
		Uno II	•	•	•	•				•			•	
		T1 Thermal Cycler	•	•	•	•				•		•	•	
		Tgradient	•	•	•	•				•		•		
		Trobot	•	•	•	•				•		•	•	
		T3000	•	•								•	•	
		T Professional	•	•								•	•	
Corbett Research	Real Time Thermal Cyclers	Toptical	•	•								•	•	
Corbett Research	Thermal Cyclers	PalmCycler 96								•		•		
		PalmCycler 384											•	
Ericom	Thermal Cyclers	Power Block I	•	•	•	•	•	•						
		Deltacycler I	•	•	•					•				
		Deltacycler II	•	•	•	•	•	•						
		Single Block	•	•	•					•				
Esco	Thermal Cyclers	Twin Block	•	•	•					•				
		Swift	•		•					•			•	
		Gene	•		•					•		•	•	
		Genius	•		•					•		•		
G-Storm	Thermal Cyclers	GS1	•	•	•	•	•	•		•				
		GS2	•	•	•	•	•	•		•				
		GS4	•	•	•	•	•	•		•				
		GSX	•	•	•	•	•	•		•				
		GSXs	•	•	•	•	•	•		•				
MWG	Thermal Cyclers	Primus 96	•	•	•	•	•	•		•		•		
		Primus 384											•	
Stratagene	Thermal Cyclers	Robocycler 96	•							•				
		Robocycler Gradient	•	•	•	•	•	•		•		•		
		SureCycler 8800		•										
TaKaRa	Real Time Thermal Cyclers	Mx4000 and Mx3005P	•	•	•	•	•	•						
												•		
Techne	Thermal Cyclers	TP240										•		
		TP3000	•	•	•	•	•	•		•		•		
		Touchgene	•	•	•	•	•	•		•				
		Cyclogene	•	•	•	•	•	•		•				
		Genius	•	•	•	•	•	•		•				
		Genius Quad	•	•	•	•	•	•		•				
		Genius (TC412)	•	•	•	•	•	•		•		•		
		Flexigene	•	•	•	•	•	•		•		•	•	
Thermo Hybaid	Thermal Cyclers	Touchgene X	•	•				•		•		•	•	
		Touchgene Gradient ITC512)	•	•	•	•	•	•		•		•	•	
		Real Time Thermal Cyclers		•								•		
		Quantica		•								•		
		PCR Sprint	•	•	•	•	•	•		•		•	•	
		MBS Satellite (Multiblock) System	•	•	•	•	•	•		•		•	•	
		Px2 and PxE	•	•	•	•	•	•		•		•	•	
		PCR Express and Omni-E	•	•	•	•	•	•		•		•	•	
Transgenomic	Real Time Thermal Cyclers	Touchdown	•	•	•	•	•	•		•		•	•	
		OmniGene	•	•	•	•	•	•		•		•	•	
Roche	Sequencers	WAVE System										•		
Roche	Real Time Thermal Cyclers	LightCycler 96									•			•
		LightCycler 480									•		•	

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