

# NanoPrep 32

NanoPrep32는 1개~32개까지의 샘플을 동시에 처리할 수 있는 Oscillation Mixing 방식의 고속 핵산추출장비로 샘플 Lysis부터 Elution까지 자동화 한 장비입니다.

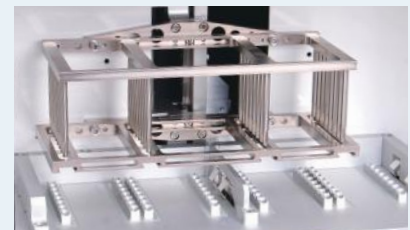


Virus DNA								0 > 19:30
Step 1	Waiting							00:05:00
Step 1	Mixing							00:01:00
Well 2	Magnetic							00:00:30
T1	T2	T3	T4	T5	T6	T7	T8	
20	20	20	20	20	20	20	20	
View previous step				Start from selected step				
View next step				Back to desktop				

3.5인치 스크린  
최적화된 프로토콜 제공



쉽고 간편한 구동  
태블릿 PC 원격 구동 지원



UV 램프를 이용한 오염 방지  
Heat Block 장착으로 고순도 핵산 추출

## Specification

Throughputs	1~32
Processing Volume	30~1,000µl
Collection Efficiency	>95%
Extraction Difference	CV <5%
Heating Temperature	RT~120°C
Mixing Method	Oscillation
Pollution Control	UV Light

Computer Interface	USB Port
Display	3.5" Screen
Protocol Management	Create / Edit / Delete
Storage Capacity	15set in unit / 500set in android applications
Dimension (L×W×H)	440×435×445mm
Weight	31.5kg

# 자동핵산추출시약

- 다양한 시료로부터 DNA 혹은 RNA를 효율적으로 추출
- 시료에 최적화된 추출 시약: 고순도, 높은 수율
- 카트리지가 타입의 시약: 사용하기 쉬운 Pre-filled Type으로 제공



## 핵산추출시약

HiQ Viral DNA/RNA Kit v.1.0	전혈 및 환경 시료, 유제액에서 Virus의 DNA 혹은 RNA 추출
HiQ Viral DNA/RNA Kit v.2.0	유제액 및 Swab 시료에서 Covid-19 Virus 추출
HiQ Whole Blood DNA Kit	전혈에서 gDNA 추출
HiQ Tissue DNA Kit	다양한 조직 시료에서 gDNA 추출
HiQ Multi DNA Kit	전혈, 조직, 모근 등 다양한 시료에서 gDNA 추출
HiQ Plant DNA Kit	식물의 잎, 뿌리, 씨앗 시료에서 gDNA 추출
HiQ Stool DNA/RNA Kit	분변내의 Virus, Bacteria의 DNA 혹은 RNA 추출
HiQ Food DNA Kit	어패류, 가공 식품의 시료에서 gDNA 추출



## Applications

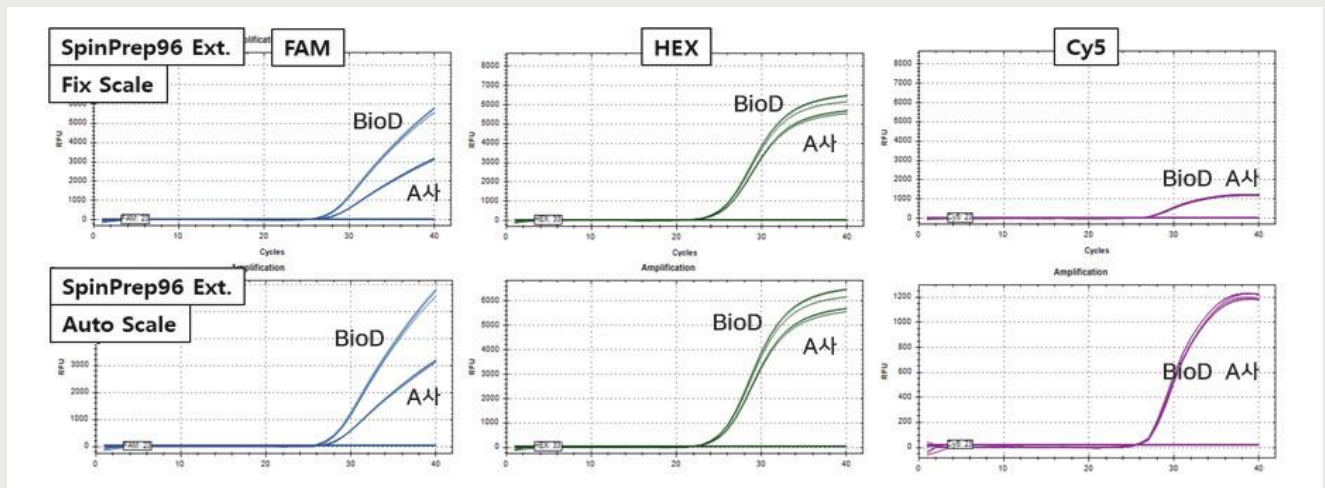
- 병원 및 진단검사센터: Covid-19, 간염 (B형, C형), 에이즈, 성병, 결핵, 신종플루, 수족구, 호흡기질환
- GMO, 원산지판별, 쌀 및 약재 품종검사
- 어패류 질병 감염 판별
- 가축전염병: 조류독감, 구제역, 아프리카돼지열병
- 한우육 판별
- 식중독, 수질 오염균 판별

# HiQ Viral DNA/RNA Kit

전처리 과정이 필요없이 전혈, 환경시료, Swab, 다양한 시료의 유제액에서 Virus의 DNA 혹은 RNA 추출

Contents of the Comparison	HiQ Viral RNA/DNA v.1.0 (#P0001)	HiQ Viral DNA/RNA v.2.0 (#P0004)	HiQ Viral DNA/RNA v.3.0 (#P0053)
Sample	전혈, 환경시료, 유제액, Swab, Plasma	환경시료, 유제액, Swab, Plasma	전혈, 환경시료, 유제액, Swab, Plasma, 분변
Sample Volume	200µl	200µl	50~400µl
추출 시간	22분	22분	13분
Proteinase K	20µl/T	No	No
Elution	80µl	60µl	60µl
Package	<ul style="list-style-type: none"> <li>Pre-filled single strips tube (1×96T)</li> <li>96 well plates (96T/48T)</li> </ul>	<ul style="list-style-type: none"> <li>Pre-filled single strips tube (1×96T)</li> <li>96 well plates (96T/48T)</li> </ul>	<ul style="list-style-type: none"> <li>Pre-filled single strips tube (1×96T)</li> <li>96 well plates (96T/48T)</li> </ul>

	BioD			Mean	A사			Mean
FAM	21.39	21.41	21.42	21.41	21.4	21.67	21.51	21.53
HEX	21.73	21.34	21.2	21.42	21.3	21.68	21.50	21.54
Cy5	25.61	25.72	25.43	25.59	25.48	25.86	25.85	25.73

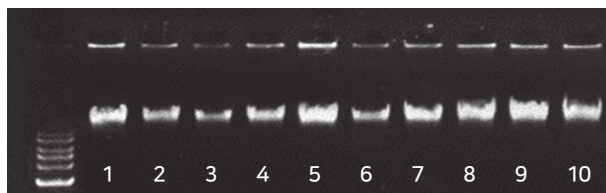


# HiQ Multi Sample Kit

전혈, 조직, 모근 등 다양한 시료에서 gDNA 추출

Samples	Whole Blood, Tissue, Hair 등
샘플 Volumes	300µl
추출 시간	40분
Elution	80µl
Package	<ul style="list-style-type: none"> <li>Pre-filled single strips tube (1×60T)</li> <li>96 well plates (32T/64T)</li> </ul>

No.	샘플 종류	ng/µl	260/280
1	Bovine Blood	115	1.87
2	Bovine Blood	104	1.92
3	Bovine Blood	72	1.87
4	Bovine Blood	87	1.88
5	Bovine Blood	127	1.86
6	Bovine Hair	80	1.92
7	Bovine Hair	102	1.86
8	Bovine Hair	145	1.86
9	Bovine Hair	153	1.93
10	Bovine Hair	114	1.90



## HiQ Plant DNA Kit

식물의 잎, 뿌리, 씨앗, 가지 등 다양한 시료에서 gDNA 추출

Samples	식물의 잎, 뿌리, 씨앗, 가지 등 다양한 시료에서 gDNA 추출
Sample Volumes	200 $\mu$ l
추출 시간	22분
Elution	200 $\mu$ l
Package	<ul style="list-style-type: none"> <li>Pre-filled single strips tube (1<math>\times</math>60T)</li> <li>96 well plates (32T/64T)</li> </ul>



Sample (구기자)	건잎 #1	건잎 #3	씨 31호	씨 32호	생잎 #1	생잎 #2
Yield (ng/ $\mu$ l)	288	182.76	1196.9	1049.44	502.3	460.83
A260/A280	1.93	1.95	1.85	1.88	1.9	1.89

## HiQ Stool DNA/RNA Kit

분변 및 분변 유제액에서 Bacteria 및 Virus의 추출

Pretreatment Buffer 1mL 첨가

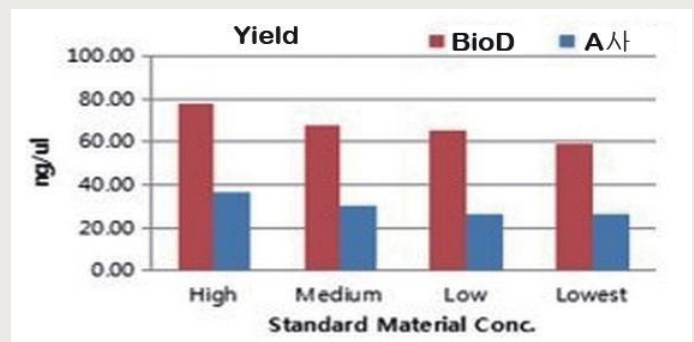
↓

Supernate

- Heating 5min
- 12,000rpm 1min

Samples	분변 내의 Virus, Bacteria의 DNA 혹은 RNA 추출			
Sample Volumes	200 $\mu$ l			
추출 시간	22분			
Elution	200 $\mu$ l			
Package	<ul style="list-style-type: none"> <li>Pre-filled single strips tube (1<math>\times</math>60T)</li> <li>96 well plates (32T/64T)</li> </ul>			

Sample (Matrix)	Standard Material Conc.	BioD				A사			
		Yield (ng/ $\mu$ l)	Purity (260/280)	PCR Toxin A (Ct)	PCR Toxin B (Ct)	Yield (ng/ $\mu$ l)	Purity (260/280)	PCR Toxin A (Ct)	PCR Toxin B (Ct)
Stool	High	77.6	2.2	19.55	18.58	36.4	2.13	21.61	21.14
		78	2.2	19.45	18.56	37.1	2.11	22.03	21.81
	Medium	70.2	2.19	21.49	20.85	30.5	2.12	23.41	23.32
		66	2.19	21.65	21.06	29.2	2.14	23.56	23.54
	Low	67.7	2.22	23.28	22.92	26.3	2.14	26.32	26.63
		63.4	2.22	23.85	23.80	25.6	2.08	26.44	26.80
	Lowest	61.4	2.25	25.37	25.59	25.8	2.11	28.77	28.72
		57.5	2.27	26.01	26.16	26.8	2.11	28.74	29.91



## Reagent Kits

Product Name	Cat. No.	Pack Size
HiQ Viral DNA/RNA Kit, v.1.0	P0069	Deep well plate, 96T (16test × 6plate)
	P0070	Deep well plate, 48T (8test × 6plate)
	P0071	Single 6-tube, 96T (1T × 96pieces)
HiQ Viral DNA/RNA Kit, v.2.0	P0072	Deep well plate, 96T (16test × 6plate)
	P0073	Deep well plate, 48T (8test × 6plate)
	P0074	Single 6-tube, 96T (1T × 96pieces)
HiQ Viral DNA/RNA Kit, v.3.0	P0053	Deep well plate, 96T (16test × 6plate)
	P0054	Deep well plate, 48T (8test × 6plate)
	P0055	Single 6-tube, 96T (1T × 96pieces)
HiQ Whole Blood DNA Kit	P0007	Deep well plate, 64T (16test × 4plate)
	P0008	Deep well plate, 32T (8test × 4plate)
	P0048	Single 6-tube, 60T (1T × 60pieces)
HiQ Tissues DNA Kit	P0010	Deep well plate, 64T (16test × 4plate)
	P0011	Deep well plate, 32T (8test × 4plate)
	P0049	Single 6-tube, 60T (1T × 60pieces)
HiQ Plant DNA Kit	P0013	Deep well plate, 64T (16test × 4plate)
	P0014	Deep well plate, 32T (8test × 4plate)
	P0050	Single 6-tube, 60T (1T × 60pieces)
HiQ Stool DNA/RNA Kit	P0019	Deep well plate, 64T (16test × 4plate)
	P0020	Deep well plate, 32T (8test × 4plate)
	P0052	Single 6-tube, 60T (1T × 60pieces)
HiQ Multi-Sample Kit	P0056	Deep well plate, 64T (16tes × 4plate)
	P0057	Deep well plate, 32T (8test × 4plate)
	P0058	Single 6-tube, 60T (1T × 60pieces)
HiQ Wastewater Viral DNA/RNA Kit	P0065	Deep well plate, 96T (16test × 6plate)
	P0066	Deep well plate, 48T (8test × 6plate)

## Consumables

Product Name	Cat. No.	Pack Size
Single Kits Docking	P0060	EA
96 Deep-well Plate	P0061	EA
Mixing Sleeves, NanoPrep 32	P0062	20pcs/pk
Rotary Strip Mixing Sleeves, SpinPrep 96	P0063	20pcs/pk
Magnetic LED Block	P0064	Unit



96-deep well plate  
with Mixing sleeve 16test



96-deep well plate  
with Mixing sleeve 8test



Single 6-tube type  
with Mixing sleeve 8test