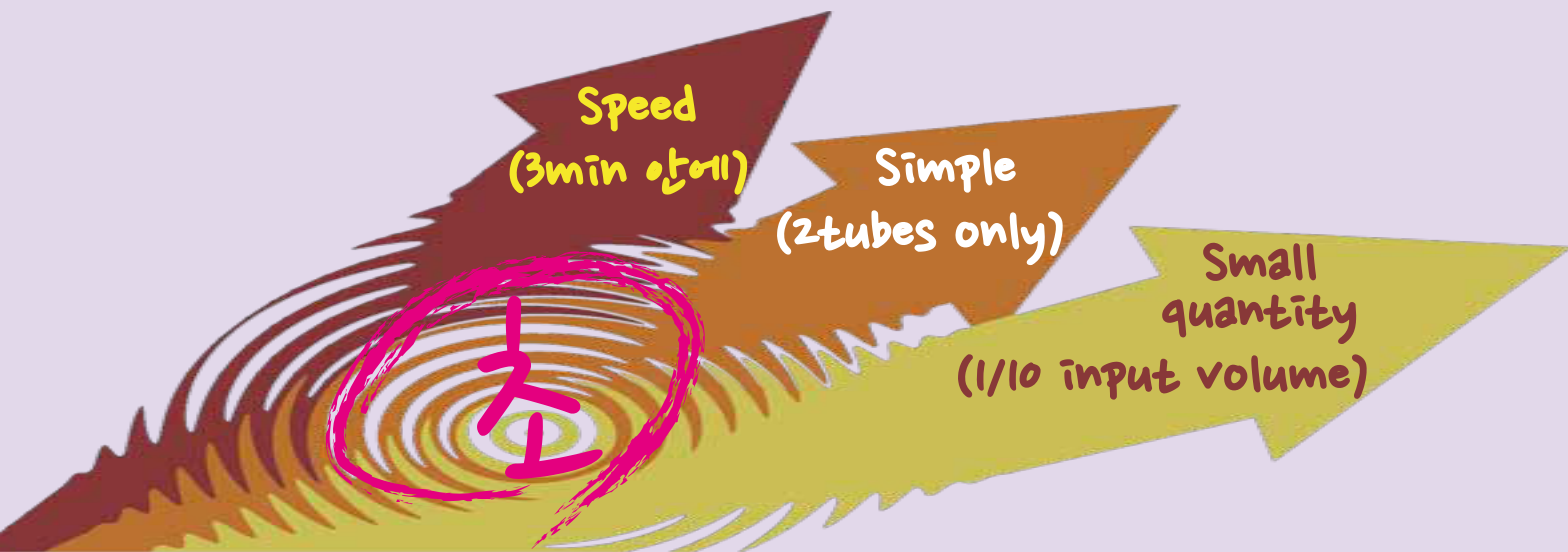
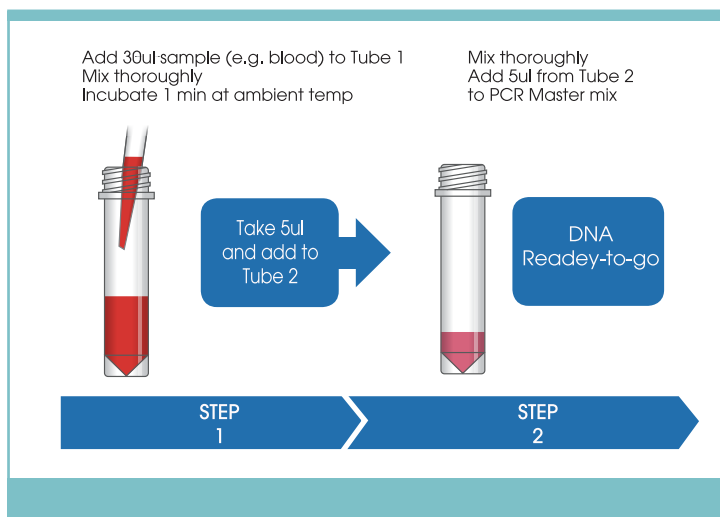


DNA추출, 이제 3분안에 끝내세요!



Claro™ Fasta DNA Prep Kit

오직 2개의 tube로, 3분안에 DNA를 얻을 수 있습니다.



✓ 다양한 샘플에서,

blood, urine, sputum, buccal swabs,
hair follicle, bacteria, virus, fungi, tissue

✓ 다양한 application을

PCR (End-point)
Real-time PCR
Isothermal amplification (LAMP)
Sequencing (sanger, Pyro)
Genetic profiling (Electrophoresis)



Ordering Information

Cat No.	Product Name	Material Provided	Quantity
HQM10.11-48	Claro™ Fasta DNA Prep Kit (48xns), bulk	Tube 1 : Lysis Buffer	1 tube
		Tube 2 : Wash Buffer	1 tube

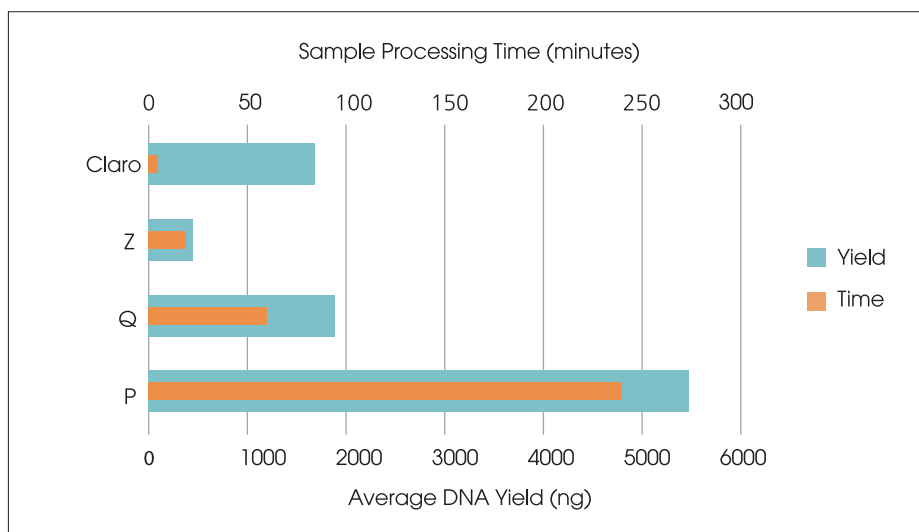
Results



Sample Prep Time

The comparator kits all require instrumentation such as centrifugation and heating, the processing times range from 20 minutes to 4 hours. The Claro™ Fasta DNA Prep kit requires no instrumentation and takes three minutes from start to finish (Figure 1).

Figure 1: DNA yield Vs sample Processing Time



DNA Yield

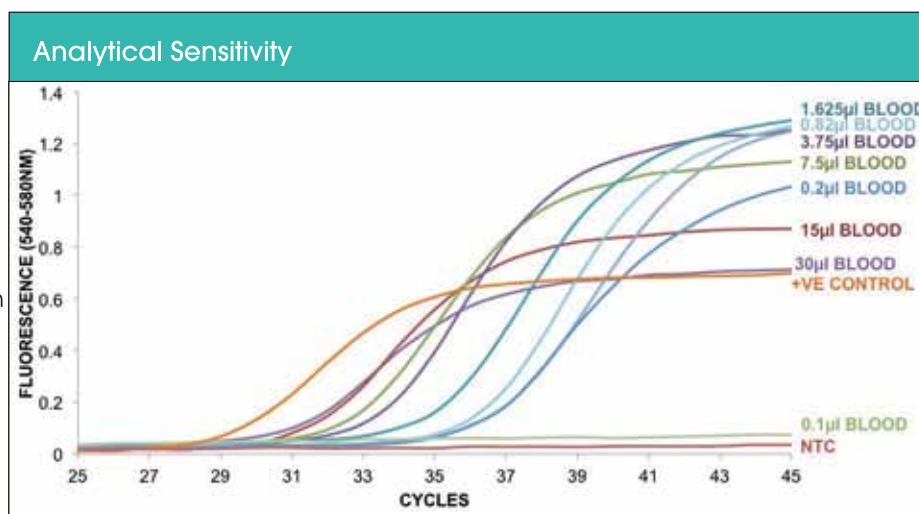
The total DNA extracted from each kit was assessed using the Qubit System (Table 1). P kit yielded the most DNA however results were found to be highly variable. Large amounts of DNA was extracted from some of the isolates but this was not consistent. This is also the most labour intensive and time consuming kit.

Table 1: DNA yield for the panel of bacterial clinical isolates as measured by Qubit system

Isolate	Total DNA extracted (ng)			
	P	Q	Z	Claro
1	13200	2097	485	1308
2	6760	1253	240	1625
3	5243	3003	605	1866
4	9400	1713	1350	1841
5	1840	805	255	1500
6	8897	930	385	1317
7	1823	2490	340	1825
8	2370	1250	280	1387
9	3727	3690	340	1825
10	1517	1680	220	2374

Real-time PCR

A range of forensics-relevant samples were processed using the Claro™ Fasta DNA Prep Kit. Total processing time for each sample was around 3 minutes. A range of samples were tested including buccal swabs, hair follicles, dried blood on card or swabbed from a surface. Strong amplification curves were generated for each sample tested. For whole blood, very strong signals were generated from as little as 0.2µl starting material.



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