



Taiwan
Advanced
Nanotech



TANBead[®]

Virapid Virus Extraction Kit

685 series for fast coronavirus extraction



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■ Key feature



Time saving :

Extraction time around 15 mins from sample to result.



Easy-to-use :

Reagents pre-filled in plates or tubes for direct use.



Add sample only :

No proteinase K and RNA carrier needed, simply transfer sample to plates/tubes for automated extraction.



Sample applicability :

Can be used for swab, saliva, and urine samples extraction.



High recovery rate :

Optimized sample processing to increase nucleic acid recovery rate.



Flexible throughput :

With compatible instruments, samples from 1 to 96 can be easily processed automatically

■ Only 3 steps

1

Lysis : No proteinase K and RNA carrier needed, add samples directly to the ready-for-use pre-filled auto plate/tube

2

Washing : Optimized washing step for minimizing the loss of nucleic acids during the extraction process

3

Elution : Shortened elution time and extracts can be used for qPCR analysis immediately

Figure 1

The automatic extraction operation time of 685 series kits was shown as below :

- 16.33 min (M9600),
- 14.23 min (M4800),
- 15.23 min (SLA-E13200),
- 17.65 min (SLA-32).

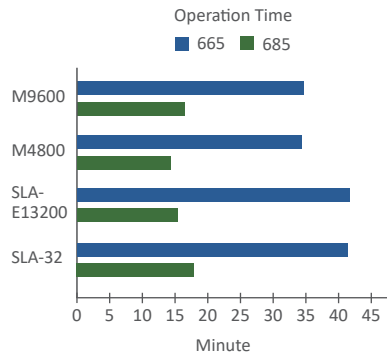


Figure 2

The M685A46 kit was used for saliva or urine samples viral nucleic acids extraction, the results showed M685A46 kit could also used for saliva or urine samples extraction. The 500 copies of COVID-19 pseudovirus were spiked in the saliva or urine as samples used for each extraction.

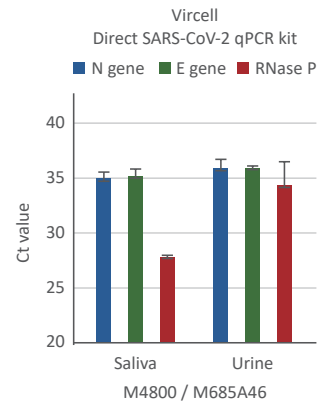


Figure 3

The extraction performance of the M685A46 kit were examined by three qPCR kits, (A) Vircell, (B) Seegene, (C) SolGent, and the results indicated M685A46 kit have the comparable extraction performance as M665A46 kit. The 500 copies of COVID-19 pseudovirus were spiked in the virus transportation medium (VTM) as samples used for each extraction.

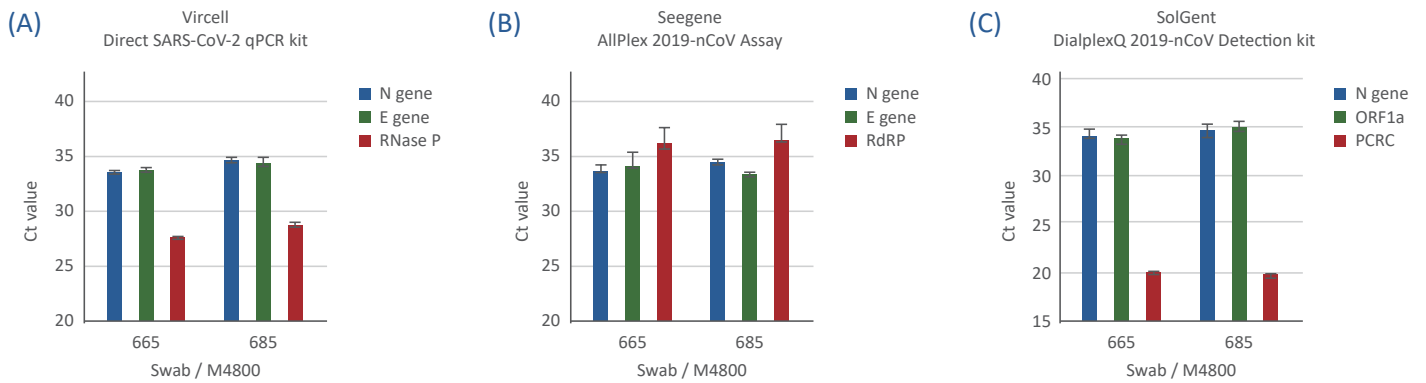
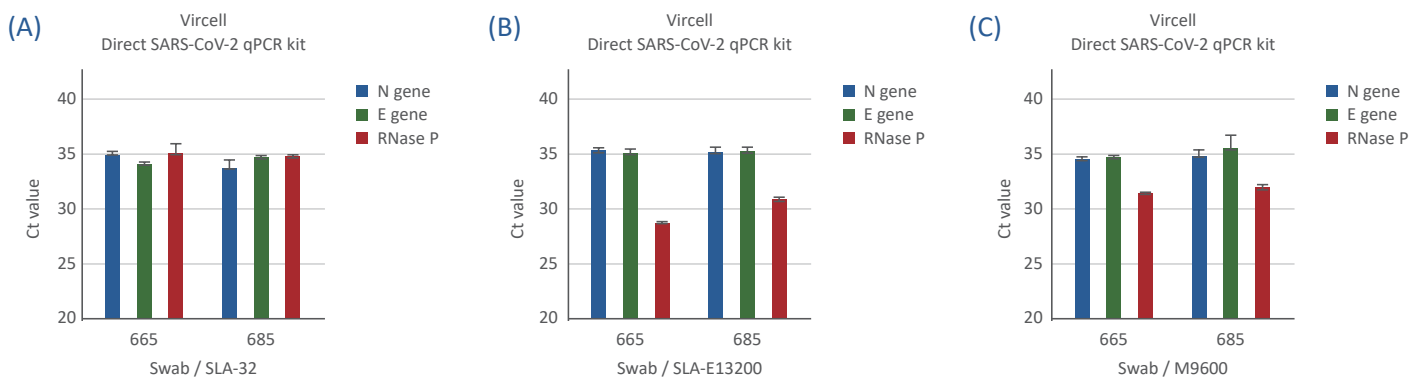


Figure 4

The extraction performance of the 685A46/W685A46 kits using with (A) SLA-32, (B) SLA-E13200 or (C) M9600 extractors were examined by the qPCR analysis, and the results indicated 685A46/W685A46 kits have the similar extraction performance as 665A46/W665A46 kits. The 500 copies of COVID-19 pseudovirus were spiked in the virus transportation medium (VTM) as samples used for each extraction.



Ordering Information

Sample	Reference No.	Test	Extractor	RUO Ordering No.	IVD Ordering No.
Virus	685A46	96	SLA-16/32/E132 series	301437	301570
	685S46	96	SLA-16/32/E132 series	301438	301571
	M685A46	96	Maelstrom 48 series	301439	301572
	M685S46	96	Maelstrom 48 series	301440	301573
	W685A46	96	Maelstrom 96 series	301441	301574
	W685S66	72	Maelstrom 96 series	301442	301575