

UltraFast Sample Prep.
G2-16TU

Instrument Specification

Dimension [W x D x H cm]	26 x 33 x 35
Weight [kg]	12
Sample Numbers [ea]	1~ 16
Running Time [min]	5~30
Elution Volume [ul]	50, 100 & 150
Consumables	Fully included in the required kit
Input Voltage [V]	AC 100-240 (Free voltage)
Input Frequency [Hz]	50-60
Input Power [W]	110
Optimal Operating Temperature [°C]	15-35
Optimal Operating Humidity [%]	10-70 (Non-condensing)

Ordering Information

Instuments

Cat No.	Product Description	Size
Sample Prep Instrument		
9S101	UltraFast Sample Prep G2-16TU	1 Unit

Bio-Reagents for UltraFast LabChip Sample Prep System

Cat No.	Product Description	Size
Sample Prep Kits for G2-16TU		
7A110	Bacterial gDNA Prep Kit - Cultured Bacteria	100 tests
7A111	Bacterial gDNA Prep Kit - Food	100 tests
7A120	Bacterial gDNA Prep Kit - Sputum	100 tests
7A130	Viral DNA/RNA Prep Kit - Swab & Stool	100 tests
7A131	Viral DNA/RNA Prep Kit - Serum & Plasma	100 tests
7A132	Viral DNA/RNA Prep Kit - Sputum	100 tests
7A140	Blood gDNA Prep Kit	100 tests
7A150	FFPE Tissue DNA Prep Kit	100 tests
7A160	Sepsis gDNA Prep Kit	100 tests

UltraFast
Sample Prep.
G2-16TU



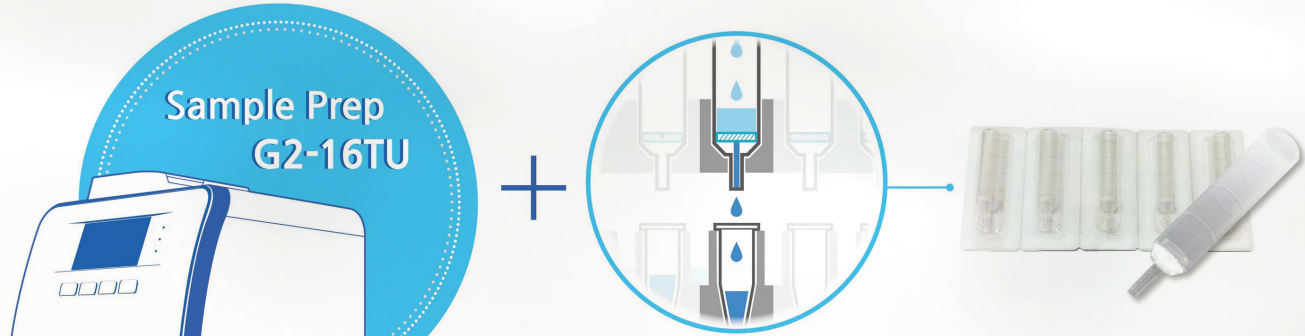
World Leading Company
in Molecular Diagnostics.

UltraFast Sample Prep G2-16TU System

It takes 5-30 min to isolate nucleic acids (DNA/RNA) from 1-16 samples.

Comparison of Instrument Specification

	Sample Prep G2-16TU	Company A's Extraction System
Dimension [W x D x H cm]	26 x 33 x 35	65 x 62 x 57
Sample Numbers [ea]	16	12
Weight [kg]	12	70
Running Time [min]	5~30	60~80
Extraction Type	Glass fiber filter	Glass fiber filter
Sample Volume [μl]	100~200	100~200
Elution Volume [μl]	50, 100 & 150	100, 150 & 200
Portable Application	12V/24V Dry or Car Battery	None



UltraFast	Compact	Easy-to-Use
DNA/RNA Extraction for 5-30 Min	12kg Weights	Simple Running Protocol
High Performance	Flexible Operation	Low Cost
Excellent ExtractionYield	1 - 16 Sample Tests	Disposable Plastics

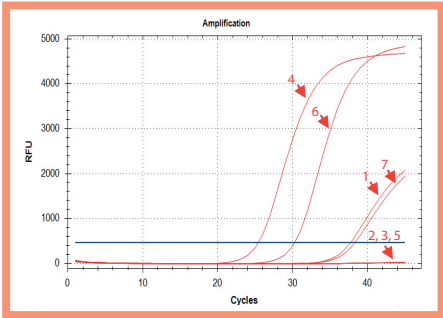
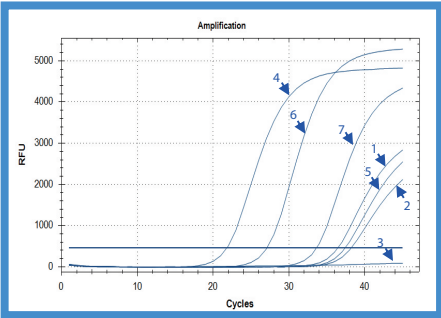
01. Pre-treatment

02. Lysis

03. DNA/RNA Extraction by G2-16TU (5 Min for 1 sample)

Total 10 Min for 1 Sample

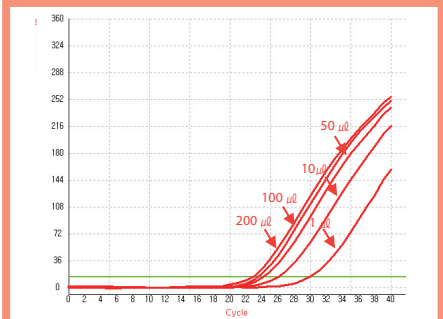
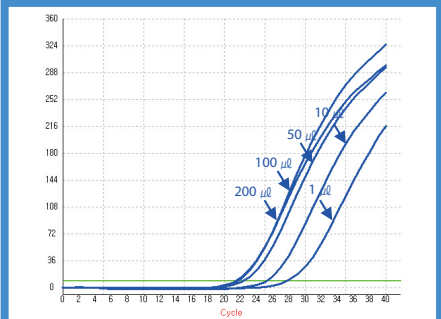
Sputum Sample



Panel No.	NANOBIOSYS	Company "A"
1	36.47	37.74
2	38.24	-
3	-	-
4	21.82	25.40
5	37.43	-
6	27.11	30.26
7	33.65	38.33

Test Target : M. tuberculosis

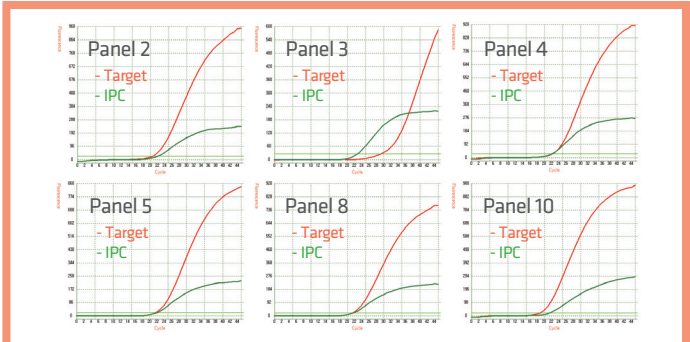
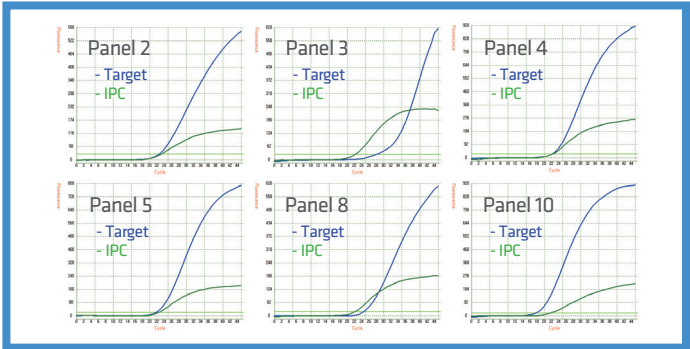
Whole Blood - Average Yield > 5 ug, Purity > 1.70



Test Volume	NANOBIOSYS	Company "A"
200 μl	21.29	22.83
100 μl	21.50	23.50
50 μl	22.17	24.13
10 μl	25.13	26.00
1 μl	27.60	29.83

Test Target : Human β-Actin

Stool Sample



Panel No.	NANOBIOSYS	Company "A"
1	-	-
2	22.58	20.58
3	28.00	29.13
4	22.11	22.19
5	24.55	21.31
6	-	-
7	-	-
8	17.70	18.64
9	-	-
10	21.58	21.42

Test Target : Norovirus GI