

Obtain Superior Yield, Exceptional Purity With Magnetic Bead Technology

Miracle-AutoXT

Automated Nucleic Acid Extraction System

Product List

Product	Cat. No.	Size
Miracle-AutoXT Nucleic Acid Extraction System	IMC-NC15PLUS	System
AutoXT PGS Extration kit	17168-48	48 test
	17168-96	96 test
AutoXT Bacteia gDNA kit	17169-48	48 test
	17169-96	96 test
AutoXT Total gDNA Extraction kit	17188-48	48 test
	17188-96	96 test
AutoXT Plant tissu gDNA kit	17189-48	48 test
	17189-96	96 test
AutoXT Whole Blood Extraction Kit	17170-48	48 test
	17170-96	96 test
AutoXT Cultured Cell Extraction Kit	17173-48	48 test
	17173-96	96 test
AutoXT Buffy Coat Extraction Kit	17174-48	48 test
	17174-96	96 test
AutoXT Swab Extraction Kit	17175-48	48 test
	17175-96	96 test
AutoXT CSF Extraction Kit	17176-48	48 test
	17176-96	96 test
AutoXT Tissue Extraction Kit	17177-48	48 test
	17177-96	96 test
AutoXT Serum Extraction Kit	17178-48	48 test
	17178-96	96 test



IMC-NC15PLUS ▶

Miracle-AutoXT Features

- It is easy and simple to operate and available for the field test.
- Extraction time takes only 20-45 minutes to obtain final result.
- The new adopted heating and high-speed mixing functions can be applied to various samples.
- The outstanding durability of inner structure makes it possible to obtain the consistent results for a long time.
- One to thirty-two samples can be tested at once without any loss.

Feature

High Speed

- Easy experiment without pre- and post-processing [Multiple steps including lysis, elution at a time]
- Up to 32 samples simultaneously [Well plate type (32) & Individual Type (16)]
- High-speed vibrator function [900 rpm]

Simple Program

- Optimized protocol according to sample type
- Reduce experiment time with fast version
- Including UV lamp to prevent contamination
- Hidden operation function [Calibration Mode & Temperature Setting Mode]

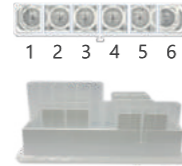
Extraction Reagents

- Optimized extraction kit for various samples
- Providing Well Plate & Individual Plate Type

· 96 Well Plate Type

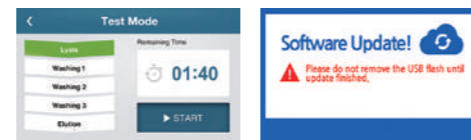


· Individual Plate



Easy Control & Update

- Test mode operation enables self check [2min]
- Easy version updates with USB [5min]



Durability

- Low noise and vibration during operation
- Compact size (340 x 420 x 324mm)
- Individual control of driving part and quick repair service

Built-in Heating Block

- Optimized reaction with heating function
- Increasing yield and purity
- Identifying the same result regardless of environmental changes
- Reducing EtOH contamination in the Elution Stage

Specifications

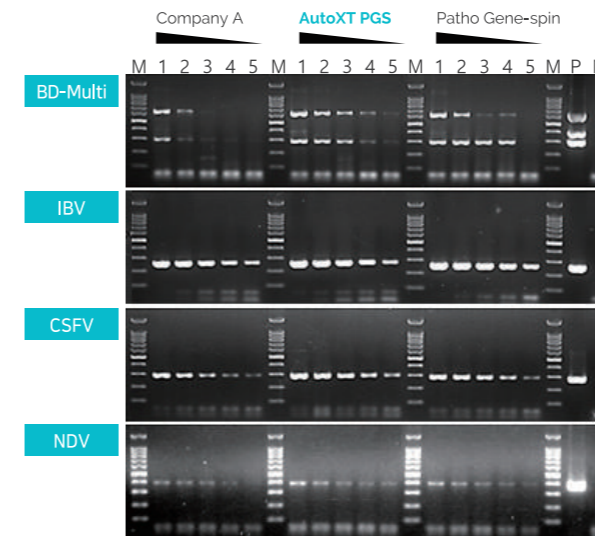
Parameter	Specification
DNA/RNA Extraction Method	Bead Method
Number of Sample	Up to 32
Processing Time	20-45 Minutes
Touch Monitor	7" inch
Convenience Function	Self Test & USB Update
Input Power Universal Supply	100~240VAC, 50-60Hz, 1.5A
Output Power	+24VDC +3% (150W Maximum)
Power Supply	UL/CSA/CE Approved Universal Power Supply with IEC Connection
Physical Dimension	340 x 420 x 345mm (13.88x16.53x13.58 inch)
Weight	24 kg
Operating Temperature, Relative Humidity	10°C to 40°C (50°F to 104°F), 30% to 85% R.H. Non-Condensing
UV Lamp	Life Time 4800 Hours

Technical Data

Electrophoresis Result [Comparison between competitor and spin kit]

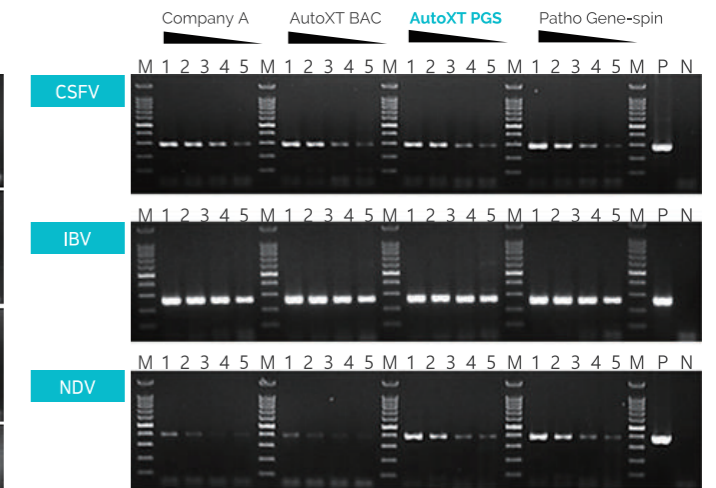
Performance Evaluation : Virus

- Virus Sample (1/10 Serially diluted)
- Sample : BD-Multi, IBV, CSFV, NDV



Performance Evaluation : Blood + Virus

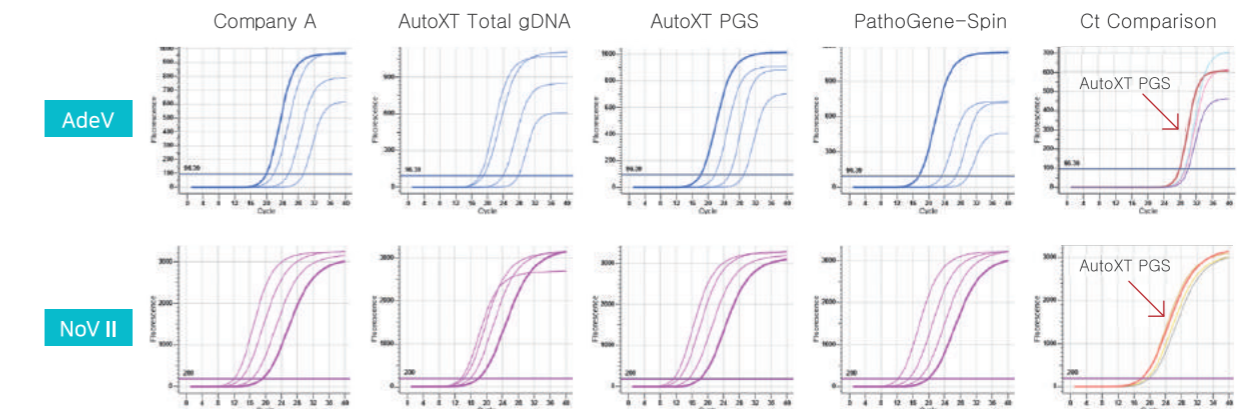
- Specimen : 180 µl Blood + 20 µl Virus Sample (1/10 Serially diluted)
- Sample : CSFV, IBV, NDV



Real-time PCR Result [Comparison between competitor and spin kit]

Performance Evaluation : Stool + Virus

- Specimen : 180µl Stool Suspension + 20µl Virus Sample (1/10 Serially diluted)
- Sample : Human Norovirus GI, Human Adenovirus 41



High Yield & Purify gDNA Obtained from a Variety of Samples

Tissue		Bovine meat	Pig meat	Chicken meat	Goat meat	Sheep meat	Duck meat	Horse meat
Yield	Conc. (ng/µl)	418.7	383.1	279.4	577.4	415.3	220.3	469.6
Purify	A _{260/280}	1.87	1.89	1.82	1.90	1.88	1.81	1.86
Total amount (µg)		33	30	22	46	33	17	37

Cell line		Porcine Spleen	Porcine Kidney	Porcine Liver	Porcine Heart	Human K562	Monkey Vero	Mouse Raw264.7
Yield	Conc. (ng/µl)	500.2	412.5	378.4	423.1	229.7	182.5	194.4
Purify	A _{260/280}	1.82	1.89	1.85	1.86	1.81	1.83	1.90
Total amount (µg)		40	33	30	33	18	14	15