

Promotor[®]

**Molecular
Diagnostics**

ACON[®]

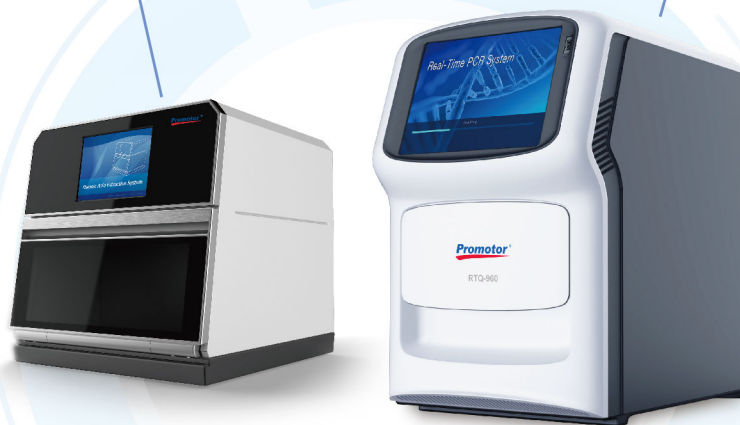
Acon offers a broad range of molecular diagnostics products covering:

Nucleic Acid Extraction

- NES-32 Nucleic Acid Extraction System

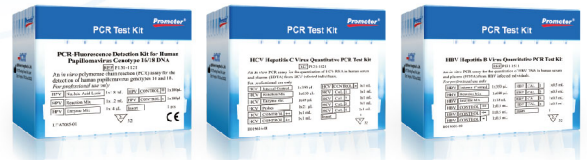
PCR Detection

- 960 Real-Time PCR System



Reagent lines :

- Nucleic Acid Extraction kits (Magnetic Beads)
- Nucleic Acid Isolation Kits (Spin Column)



Reagents :

- Molecular Diagnostic PCR Test kits



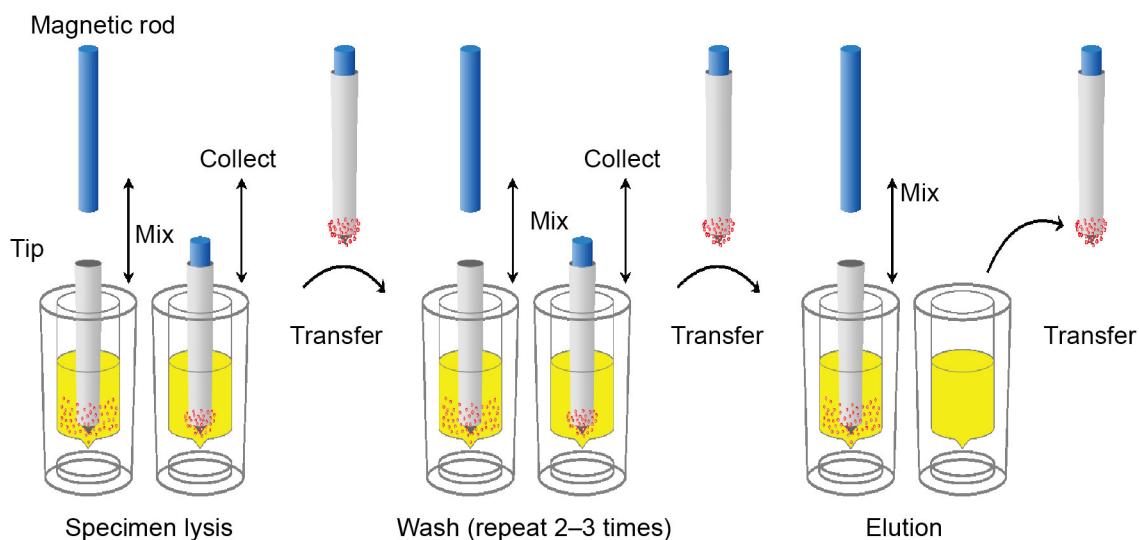
NES-32 Nucleic Acid Extraction System

Features & Benefits

- Up to 32 samples/run
- High purity & high yield
- Ready-to-use reagents
- 8-inch large color touchscreen
- Aviation material heating base
- UV lamp and disposable consumables eliminate contamination



Principle



Specifications

Parameters	Specifications
Processing Volume	20 to 1,000 μL
Sample Capacity	Up to 32 samples per run
Well-to-Well CV	$\leq 1.5\%$
Collection Rate of Magnetic Particles	$\geq 98\%$
Heating Temperature	Lysis Temp (from RT to 120 $^{\circ}\text{C}$) Elution Temp (from RT to 120 $^{\circ}\text{C}$)
Sterilization	UV lamp
Dimensions	437 \times 512 \times 470 mm (W \times D \times H)
Processing Time	12 – 40 min
Instrument Port	USB / RS232/ LAN
Power Source	100 – 240 VAC, 50 Hz / 60 Hz, 600 VA

Nucleic Acid Extraction Kits (Magnetic Beads)

The *Promotor*® Nucleic Acid Extraction Kit series is designed to be used with the *Promotor*® NES-32 Nucleic Acid Extraction System for extracting DNA or RNA from various specimens, such as serum, plasma, whole blood, swab and sputum. Magnetic isolation methods, specifically using beads, are an efficient and effective method for extracting nucleic acid from specimens.



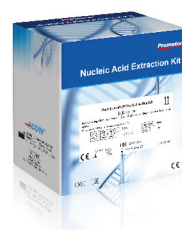
▶ Nucleic Acid (RNA) Extraction Kit

- 32 Tests/kit
- For extracting RNA from specimens
- Specimen types: serum, plasma, swab and feces



▶ Nucleic Acid Extraction Kit

- 32 Tests/kit
- For extracting DNA/RNA from specimens
- Specimen types: serum, plasma, swab and sputum



▶ Nucleic Acid (DNA) Extraction Kit

- 32 Tests/kit
- For extracting DNA from specimens
- Specimen types: serum, plasma, swab, feces and urine



▶ Whole Blood Genomic DNA Extraction Kit

- 32 Tests/kit
- For extracting DNA from specimens
- Specimen type: whole blood

* CE marked and FDA Device Listing for all products above

Viral Nucleic Acid Isolation Kits (Spin Column) CE



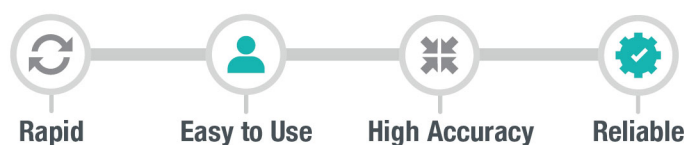
RNA (contains carrier RNA)



DNA/RNA (contains proteinase K)

A simple, rapid protocol to generate high-quality templates for a broad range of downstream applications

- Fast procedures and easy to use
- Isolation and purification of high-quality viral DNA/RNA
- Highly efficient recovery yield
- Pure DNA/RNA ready for downstream applications
- No phenol-chloroform extraction



Workflow for High-purity Viral Nucleic Acid Isolation Kits

1 Lysis



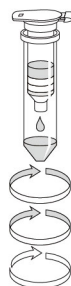
Specimen lysis

2 Bind



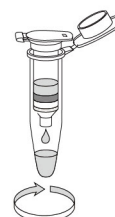
Load specimen

3 Wash



Wash and dry

4 Elute



Nucleic acid elution

Specifications

Parameters	Descriptions
Format	Spin Column
Technology	Silica-membrane Technology
Sample Volume	200 μ L
Elution Volume	50 μ L
Sample Type	Serum, Plasma, Swabs
Yield	> 90% Recovery
Processing	Manual (Centrifugation)



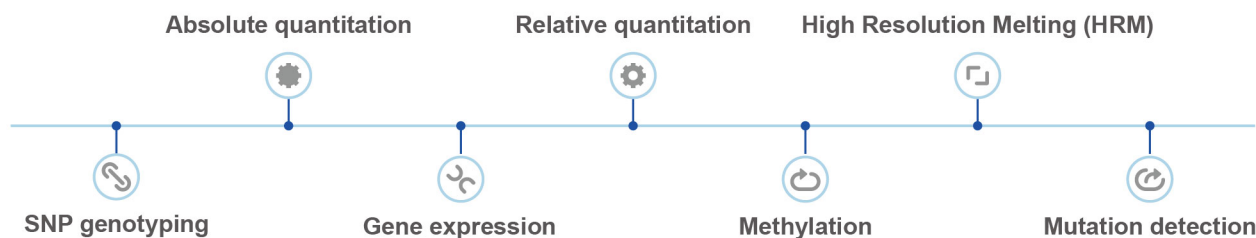
960 Real-Time PCR System

Features & Benefits

- Broad dynamic range: $10^0 - 10^{10}$
- Perform up to 4-target multiple analysis
- Long-life LED and sensitive PMT for high-performance results
- No need for ROX reference dye
- Special optical system design to avoid crosstalk from well to well
- Top signal detection technology to eliminate the influence of floccule or residual magnetic beads in the reaction
- Large color touchscreen and easy-to-use software



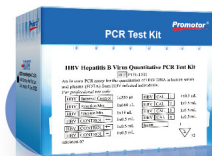
Applications



Specifications

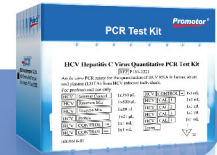
Parameters	Descriptions
Thermal Cycling System	Peltier-based, 96-well block
Max Block Ramp Rate	> 5 °C /s
Max Block Cooling Rate	> 4 °C /s
Temperature Range	4 – 100 °C
Temperature Accuracy	≤ 0.1 °C
Temperature Uniformity (at 55 °C)	≤ ±0.1 °C
Number of Channels	4 channels
Compatible Dyes	Channel 1: FAM, SYBR Green; Channel 2: VIC, HEX, JOE, TET ; Channel 3: ROX, Texas Red; Channel 4: CY5
Additional Dyes Available	Additional dyes within the wavelength range compatible with the filters are supported
Multiplex Analysis	Up to 4 targets per well
Compatible Tubes	<ul style="list-style-type: none"> • Standard optical 0.2 mL 96-well plates (Semi-skirted, Non-skirted) • 8-strip 0.2 mL tubes • 0.2 mL optical tubes
Supported Volumes	10 – 100 µL
Optical System	Long-life LED and PMT
Dynamic Range	$10^0 - 10^{10}$
Sensitivity	Detection of 1 copy of template in a 50 µL reaction
Applications	Comparative Ct, Standard Curve, Relative Standard Curve, Allelic Discrimination, Melt Curve
Dimensions (W x D x H)	340 mm (13.4 in) x 557 mm (21.9 in) x 537 mm (21.2 in)
Weight	32 kg (70.6 lb)

Molecular Diagnostic PCR Test Kits



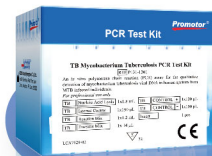
HBV (Hepatitis B Virus) Quantitative PCR Test Kit

- Specimen: Serum or plasma
- High sensitivity: 20 IU/mL
- High precision: CV < 5%
- Wide linear range: 50 – 5.0 × 10⁸ IU/mL
- Internal control eliminates false-negative results
- Specificity: No cross-reactivity with HAV, HCV and HIV
- Genotypes: HBV genotypes of A-H



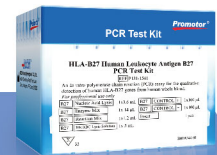
HCV (Hepatitis C Virus) Quantitative PCR Test Kit

- Specimen: Serum or plasma
- High sensitivity: 30 IU/mL
- High precision: CV < 5%
- Wide linear range: 50 – 1.0 × 10⁸ IU/ml
- Internal control eliminates false-negative results
- Specificity: No cross-reactivity with HAV, HBV and HIV
- Genotypes: HCV 1b/2a/3a/3b/6a



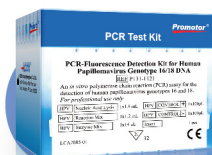
TB (*Mycobacterium tuberculosis*) PCR Test Kit

- Specimen: Sputum
- Sensitivity: 10 bacteria/mL
- High precision: CV < 5%
- Specificity: No cross-reactivity with some pathogens and nontuberculous mycobacteria
- Extraction reagent provided
- Genotypes: *Mycobacterium tuberculosis*, *Mycobacterium bovis*, *Mycobacterium microti*, and *Mycobacterium africanum*



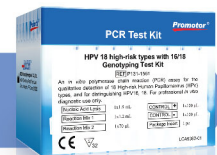
HLA-B27 (Human Leukocyte Antigen B27) PCR Test Kit

- Specimen: Whole blood
- Sensitivity: 2.5 ng/uL
- High precision: CV < 5%
- Specificity: No cross-reactivity with other subtypes of HLA Genes
- Internal control eliminates false-negative results
- Extraction reagent provided
- Genotypes: B2702, B2704 and B2705



PCR-Fluorescence Detection Kit for Human Papillomavirus Genotype 16/18 DNA

- Specimen: Cervical specimen
- High precision: CV < 5%
- LOD: 500 copies/mL
- Relative specificity: 95.96%
- Relative sensitivity: 98.98%
- Accuracy: 97.68%
- Target region: E1
- Internal control (β-globin)
- Genotype: HPV 16/18



HPV 18 High-risk Types with 16/18 Genotyping Test Kit

- Specimen: Cervical specimen
- High precision: CV ≤ 5%
- Target region: E1 / E7 / L1
- Internal control (β-globin)
- Genotypes: Up to three results from one patient sample:
 - ♦ Genotyping HPV type 16 and/or 18
 - ♦ Positive/Negative for 16 other high-risk HPV types: 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 73, 82

Ordering Information

Series	Catalog	Product	Kit size
Nucleic Acid Extraction	P111-1011√	NES-32 Nucleic Acid Extraction System	1 Unit/Package
	P121-1301√	Nucleic Acid Extraction Kit (ready-to-use)	32 Tests/Kit
	P121-1101√	Nucleic Acid (DNA) Extraction Kit	32 Tests/Kit
	P121-1111√	Whole Blood Genomic DNA Extraction Kit	32 Tests/Kit
	P121-1121√	Nucleic Acid (RNA) Extraction Kit	32 Tests/Kit
	P121-1201√	Nucleic Acid (DNA) Extraction Kit (ready-to-use)	32 Tests/Kit
	P121-1211√	Whole Blood Genomic DNA Extraction Kit (ready-to-use)	32 Tests/Kit
	P121-1221√	Nucleic Acid (RNA) Extraction Kit (ready-to-use)	32 Tests/Kit
Nucleic Acid Isolation	P121-1291√	Viral DNA/RNA Isolation Kit	32/50 Tests/Kit
	P121-1051√	Viral Nucleic Acid Isolation Kit	32 Tests/Kit
PCR	P111-2011√	960 Real-Time PCR System	1 Unit/Package
	P131-1511	HBV (Hepatitis B Virus) Quantitative PCR Test Kit	32 Tests/Kit
	P131-1521	HCV (Hepatitis C Virus) Quantitative PCR Test Kit	32 Tests/Kit
	P131-1121√	PCR-Fluorescence Detection Kit for Human Papillomavirus Genotype 16/18 DNA	32 Tests/Kit
	P131-1561√	HPV 18 High-risk Types with 16/18 Genotyping Test Kit	32 Tests/Kit
	P131-1301√	TB (<i>Mycobacterium tuberculosis</i>) PCR Test Kit	32 Tests/Kit
	P131-1541	HLA-B27 (Human Leukocyte Antigen B27) PCR Test Kit	32 Tests/Kit

Products Under Development

Series	Product	Kit Size
Hepatitis	Hepatitis B Virus and YMDD mutation Test kit	32 Tests/Kit
	Hepatitis E Virus Test kit	32 Tests/Kit
Sexually Transmitted Disease	CT (Chlamydia Trachomatis) Test Kit	32 Tests/Kit
	UU (Ureaplasma Urealyticum) Test kit	32 Tests/Kit
	NG (Neisseria Gonorrhoeae) Test kit	32 Tests/Kit
	HSV II PCR Test kit	32 Tests/Kit
Tumor	EB (Epstein-Barr virus) Test Kit	32 Tests/Kit
Fertility	HCMV (Cytomegalovirus) Test Kit	32 Tests/Kit
Respiratory Infectious Disease	MP (Mycoplasma pneumoniae) Test Kit	32 Tests/Kit
Gastrointestinal Disease	EV71 (human enterovirus 71) Test Kit	32 Tests/Kit
	Coxsackie A virus RNA Test Kit	32 Tests/Kit

We also offer other diagnostic and medical products for:
Blood Glucose, Lateral Flow, Urinalysis Products, Hematology, POCT Products, Immunoassay and more.
Contact us for worldwide distribution and custom manufacturing (OEM) opportunities.

✓ CE Marked for sale in the European Community



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