



Genomics

WHERE RESEARCH
MEETS DIAGNOSIS

BIO-HELIX 
CO., LTD.

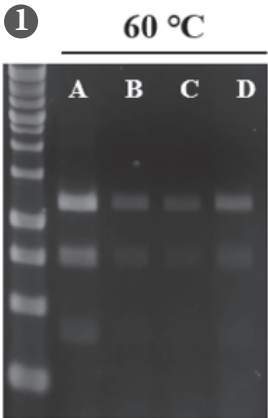
Convert RNA & Guantify Expression.

Extracted
Nucleic Acid

cDNA Synthesis

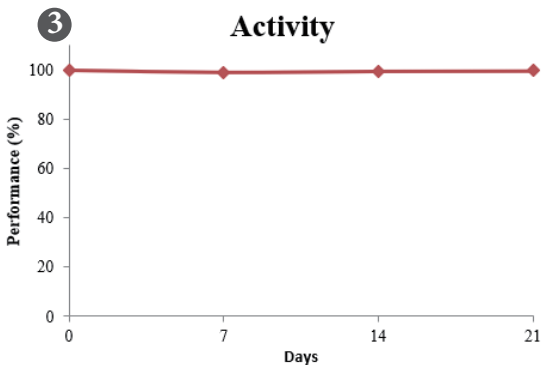
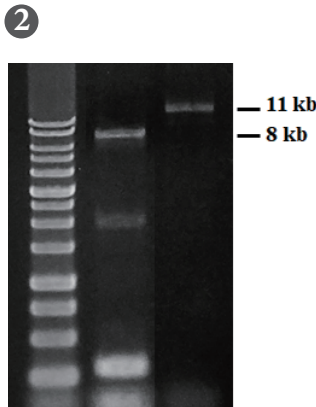
RScript™ Reverse Transcriptase

Cat No:RT001



Comparison with Leading

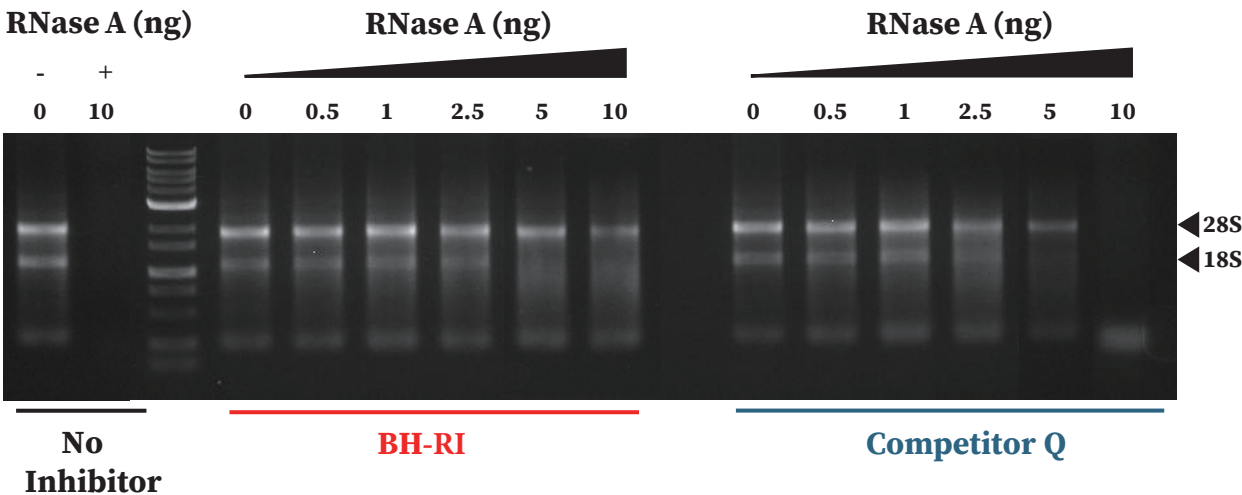
A:Bio-Helix RScript™ #RT001
B:Promega Improm II #A3802
C:Thermo SuperScript III #18080093
D:SuperScript IV #18090010



- ① Optimal Enhanced Performance at 60°C
- ② ssRNA Template Extension Up to 11Kb
- ③ Thermal Stability at 37°C for Over 3 Weeks

RIBOAssure™ RNase Inhibitor

Cat No:RI001



RScript™ cDNA Synthesis Kit

Cat No:RK001

Reveal the Signal.

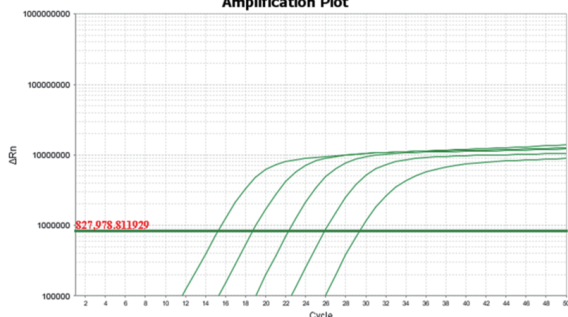
Real-Time PCR

All your qPCR needs !



Probe-based

Amplification Plot



RNA conc.	2pg (1.5×10^{-7} copy)	200fg (1.5×10^{-6} copy)	20fg (1.5×10^{-5} copy)	2fg (1.5×10^{-4} copy)	200ag (1.5×10^{-3} copy)
Ct	14.761	18.29	21.546	24.713	27.676

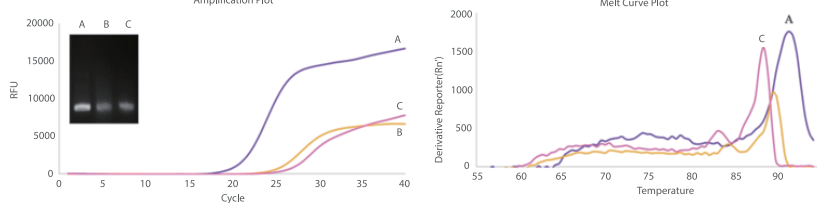
Superior Dynamic Range and Sensitivity Performance of PanProbes™ One-Step RT-qPCR MasterMix

- **Enhanced** RScript™ Reverse Transcriptase with RIBOAssure RNase™ Inhibitor
- **Optimized** for Probe-based Real-Time PCR
- **Compatible** with the Majority of qPCR Systems

- **PanProbes™ One-Step RT-qPCR Kit**
Cat No: QPR01
- **PanProbes™ qPCR MasterMix**
Cat No: QPD01

SYBR Green-based

Higher Sensitivity of PanGreen™ Universal SYBR® Green MasterMix



	Ct
A Pan Green™ Universal SYBR® Green MasterMix	21.83
B RealStar Green Fast Mixture, Cat.A301-01	27.60
C iTaq™ Universal SYBR® Green Supermix, Cat.1725120	29.00

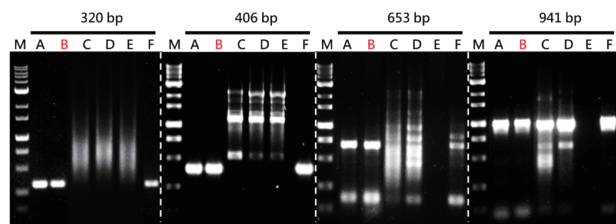
- **Enhanced** with nanoTaq™ Hot-Start DNA Polymerase
- **Maximize** Product Yield with Specific Bands
- **Compatible** with The Majority of qPCR Systems

- **PanGreen™ One-Step RT-qPCR Kit**
Cat No: QSR01
- **PanGreen™ SYBR® Green MasterMix**
Cat No: QSD01

Amplify DNA and Verify Results.

nanoTaq II™ Hot-Start DNA Polymerase

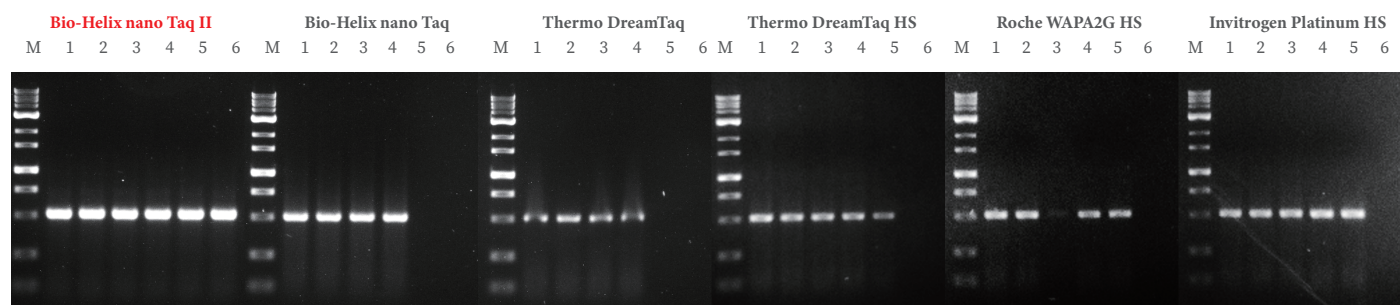
Cat No:DP003



Specificity Comparison

nanoTaq II™ shows higher specificity and yield products with least band shifting as compared to other commercial antibody-mediated hot start polymerases.

1. Bio-Helix nanoTaq™
2. Bio-Helix nanoTaq II™
3. Thermo DreamTaq
4. Thermo DreamTaq HS
5. Roche WAPA2G HS
6. Invitrogen Platinum HS



PCR Inhibitor Resistance Comparison

nanoTaq II™ shows great tolerance among all the inhibitors comparing to other Hot-Start Polymerases and confirms to synthesize up to 5kb of PCR Products

1. Control without inhibitor, 2. Bile Salt, 3. Heparin, 4. Sodium Citrate, 5. Hemin, 6. Humic Acid

PCR Supermix

2X PCR SUPERMIX		
2X PCR SuperMix	MB200-P100	The most commonly used version
SUPERMIX W FLUORESCENT DYE		
OmniPCR	MBA01-0100	The most commonly used version



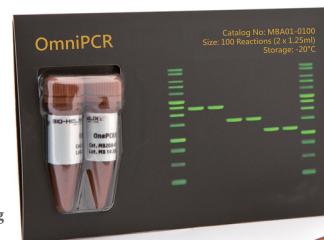
Convenience
Direct loading onto the agarose gel



Compatibility
Use the Blue Light or UV to detect the signal



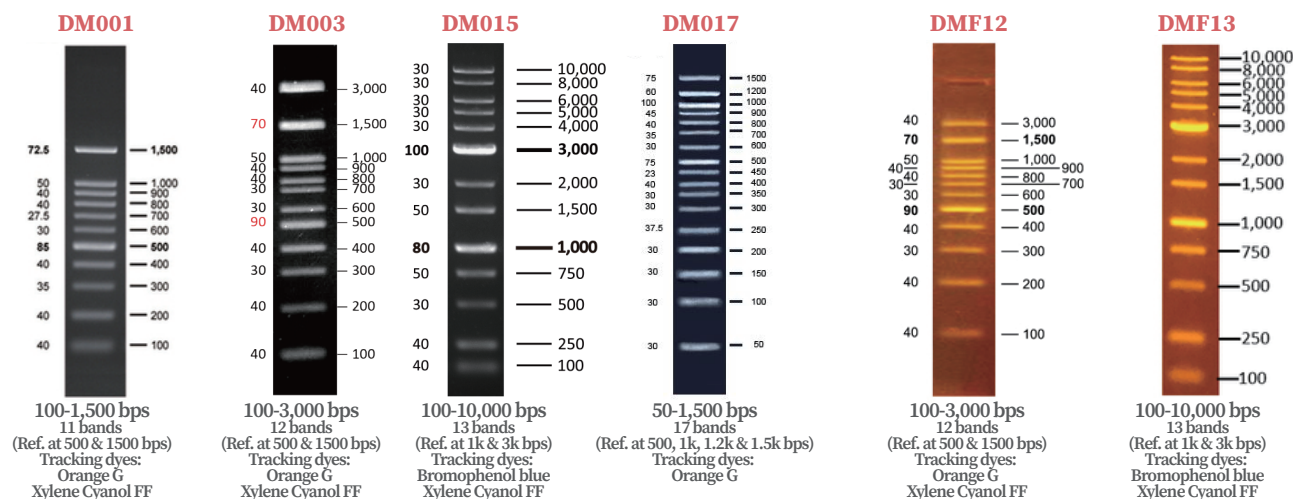
Speed
No post-staining processing of DNA required



End-Point PCR

DNA Ladders

Prestained with Fluorescent Dye

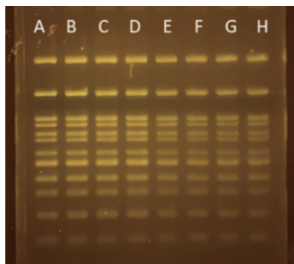


See the Evidence.

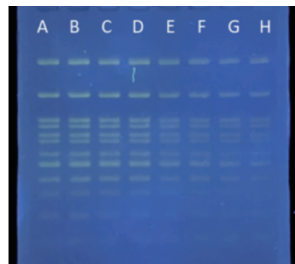
DNA/RNA Stains

Prime Juice Pre-loading Stain

Cat NO:LD011



BluPAD (470nm)



UVPAD (302nm)

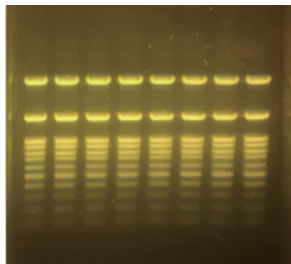
- Superior Safety & Eco-Friendly Fluorescent dye
- Unmatched Convenience & Speed
- High Performance & Versatility (low as 0.14 ng)
- 3 Tracking Dyes:

Xylene cyanol FF-TAE: 4,160 bp TBE: 3,030 bp
Bromophenol blue: TAE: 370 bp TBE: 220 bp
Orange G:TAE/TBE: < 50 bp

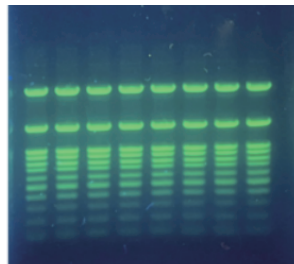


Novel Green Plus In-Gel/Post-Staining

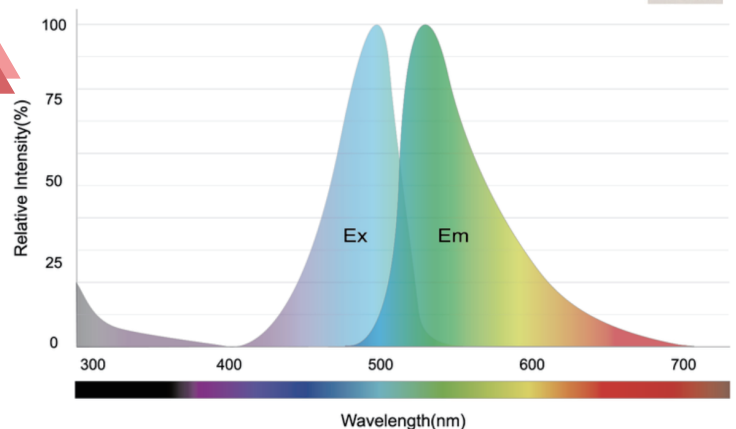
Cat NO:LD003



BluPAD (470nm)



UVPAD (302nm)



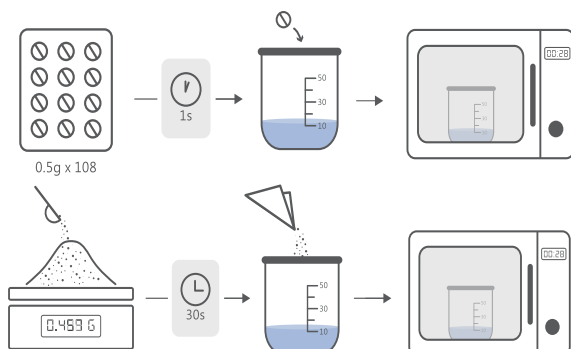
GEL ELECTROPHORESIS



Agarose Tablets ●●●●●
Cat NO:AGT002

Agarose

Agarose Powder
Cat NO:MB755



- Clean, Safe, and Consistent
- Fast, Easy, and Convenient
- High clarity with low background

- Melting Temperature : 87.9°C
- Moisture Content : 5.07%
- Sulfate Content: 0.097%
- EEO:<0.12
- RNase / DNase: non-detectable



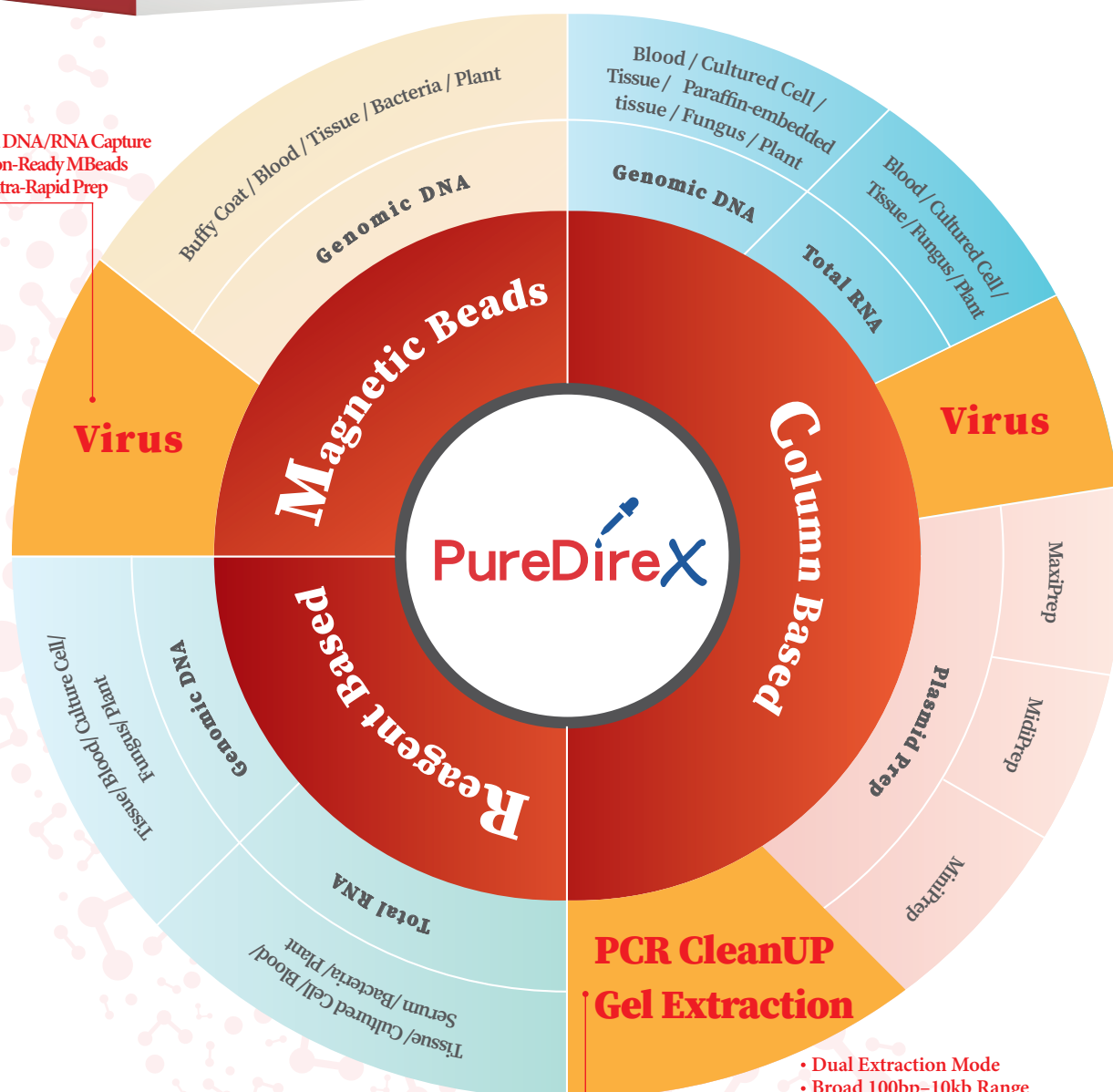
Pure Prep. Confident Science.



Precise. Rapid. Reliable. Your Purification Perfected.

Tailored for High-Throughput Excellence and Elite Downstream Results.
Cut the Complexity and Focus on Your Next Breakthrough Discovery

- Dual Viral DNA/RNA Capture
- Automation-Ready MBeads
- 10-Min Ultra-Rapid Prep



Triple-Core Versatility

Flexible Systems for Reagent, Column, and Magnetic Beads Extraction.

Elite Material Assurance

Built with Medical-Grade Plastics and High-Specific Glass Fiber Membranes.

Molecular-Grade Precision

High-Purity Chemicals Engineered for Guaranteed Experimental Repeatability.



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