



SLAN 48P/96P/96S Real-time PCR System

Automated Systems for Multiplexing Detection

Models →



SLAN-48P Real-time PCR System
(48 wells)



SLAN-96S Real-time PCR System
(96 wells)



SLAN-96P Real-time PCR System
(2×48-wells, 2 separate experiments)

Features →



Maximizing Multiplexing Capacity

Empowered by patented MMCA®/MeltArray technology, SLAN System is able to detect multiple targets in one reaction.



Accurate and Reliable

Accurate and rapid temperature control with $\pm 0.1^\circ\text{C}$ precision.



High Sensitivity

High-power LEDs combined with unique optics ensure superior sensitivity and minimal background noise.



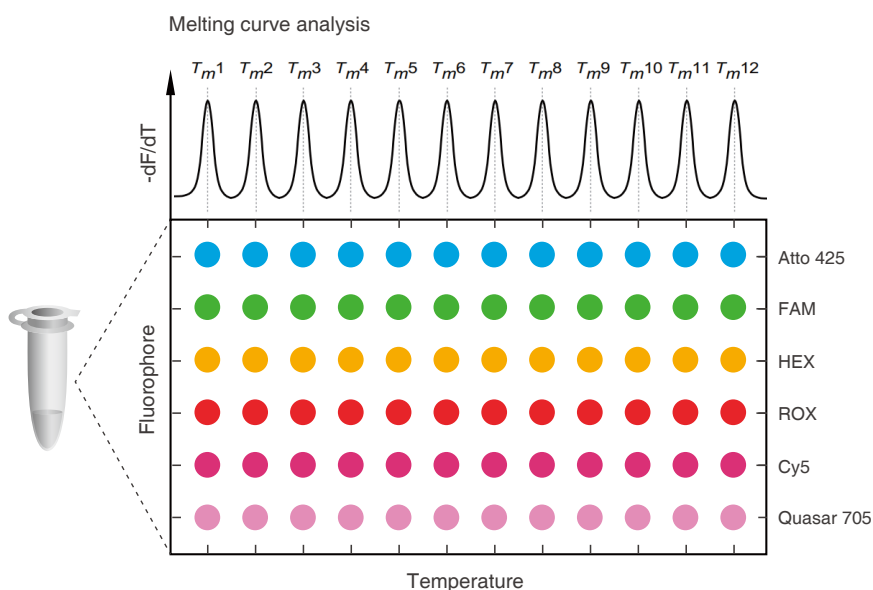
Ease of Use

Automated analysis software, compatible with the Zeesan diagnostic kits, simplifies the diagnostic process.

Technology →

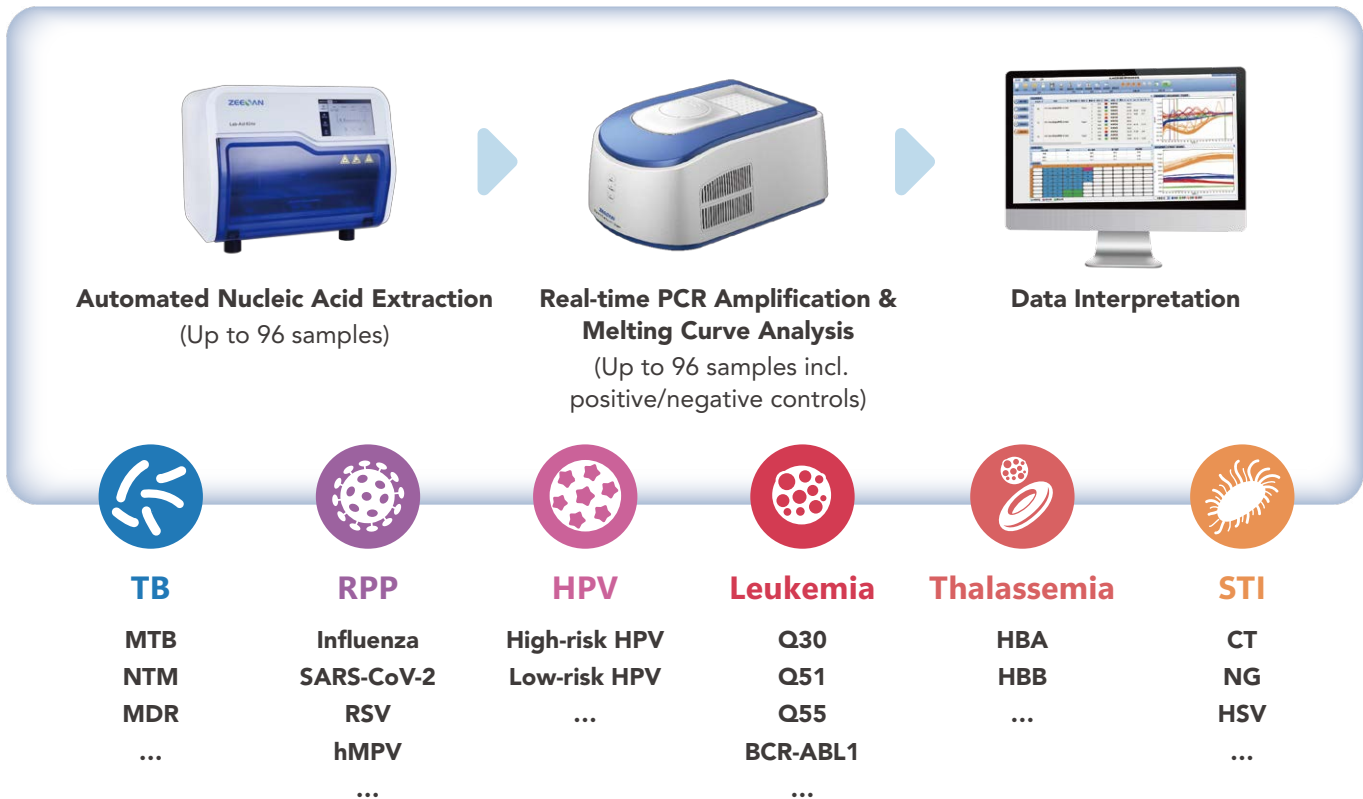
The SLAN system serves as an ideal platform for conducting **Multicolor Melting Curve Analysis (MMCA®)** and **MeltArray**. It offers precise temperature control, which is crucial for enabling MMCA® and MeltArray to differentiate the unique T_m value of each target.

With **MMCA®** or **MeltArray**, multiple targets can be detected in a single channel. Moreover, the number of detectable targets can be significantly increased by combining multiple channels.

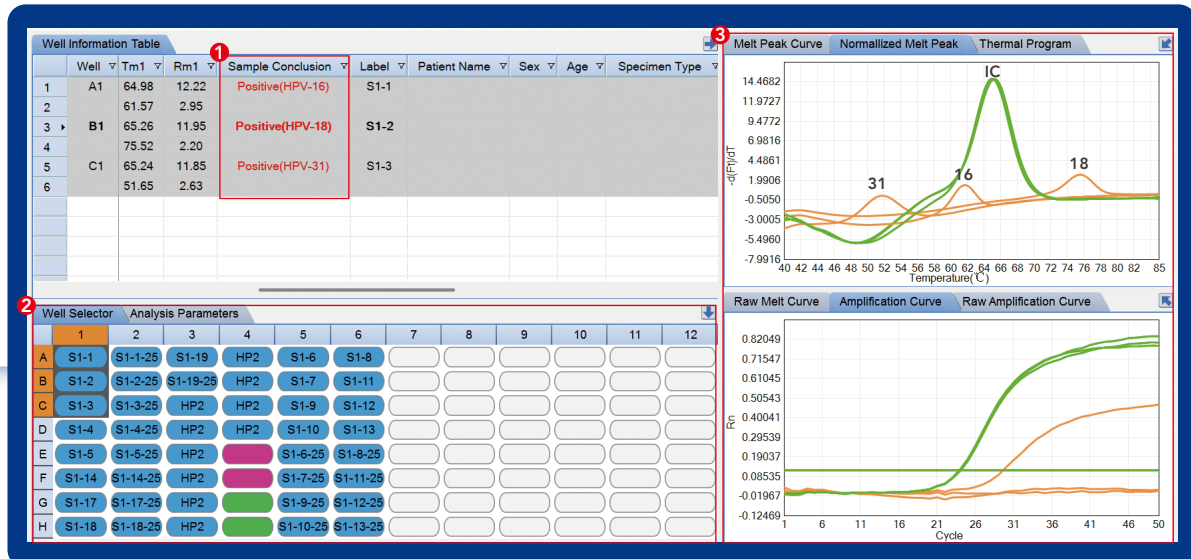


2D Label = Fluorescence Channels + Melting Curve

Simple Workflow →



User-friendly Interface →



- 1 Automated results interpretation eliminates manual processing.
- 2 Graphical interface allows easy editing and selection of sample information and results.
- 3 Intelligent quantitative and qualitative analysis.

Technical Specifications

Product Name	Real-Time PCR System (SLAN-48P)	Real-Time PCR System (SLAN-96P)	Real-Time PCR System (SLAN-96S)
Dimensions (W×D×H)	386×534×258 mm (15.19×21.00×10.15")	386×520×250 mm (15.19×20.47×9.84")	386×534×258 mm (15.19×21.00×10.15")
Weight	16 Kg (35.27 lb)	18 Kg (39.68 lb)	18 Kg (39.68 lb)
Consumables	8-well strips 0.2mL with optical lids; 0.2mL individual vessels with optical lids		96-well microplate with optical film; 8-well strips 0.2mL with optical lids; 0.2ml individual vessels with optical lids
Power Supply	230V~, 50Hz	220V~, 50Hz	230V~, 50Hz
Energy Consumption	< 500VA	< 850VA	< 850VA
Number of Channels	4	4	4 or 6
Dyes and probes	FAM™/SYBR®Green VIC™/HEX™/JOE™/TET™/TAMRA™/Cy3™ ROX™/Texas Red CY5™		4 Channels: FAM™/SYBR®Green VIC™/HEX™/JOE™/TET™/TAMRA™/Cy3™ ROX™/Texas Red CY5™ 6 Channels: FAM™/SYBR®Green VIC™/HEX™/JOE™/TET™/TAMRA™/Cy3™ ROX™/Texas Red CY5™ Quasar705 Atto425
Range of Excitation/ Emission Wavelengths	470-665 nm		4 Channels: 470-665 nm 6 Channels: 420-705 nm
Temperature Range	4 ~ 99 °C		
Temperature Accuracy	± 0.10 °C		
Temperature Uniformity	± 0.10 °C		
Maximum Ramp Rate	4.0°C/s		
Heating/Cooling Method	Peltier and Joule		
Hot Lid	Automatic hot lid		
Sensitivity	≥ One copy		
Range of Linearity	10 ⁰ ~ 10 ¹⁰ copies/mL		
Reproducibility	CV< 1.00%		
Data Export	XLSX, CSV, TXT		

Order Information

Cat. No.	Product Name	Size
502602	Real-Time PCR System (SLAN-48P)	1 Set
502601	Real-Time PCR System (SLAN-96S)	1 Set
502808	Real-Time PCR System (SLAN-96S)*	1 Set
502603	Real-Time PCR System (SLAN-96P)	1 Set

*502808 is a 6-channel Real-Time PCR System

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