



Technical Specifications →

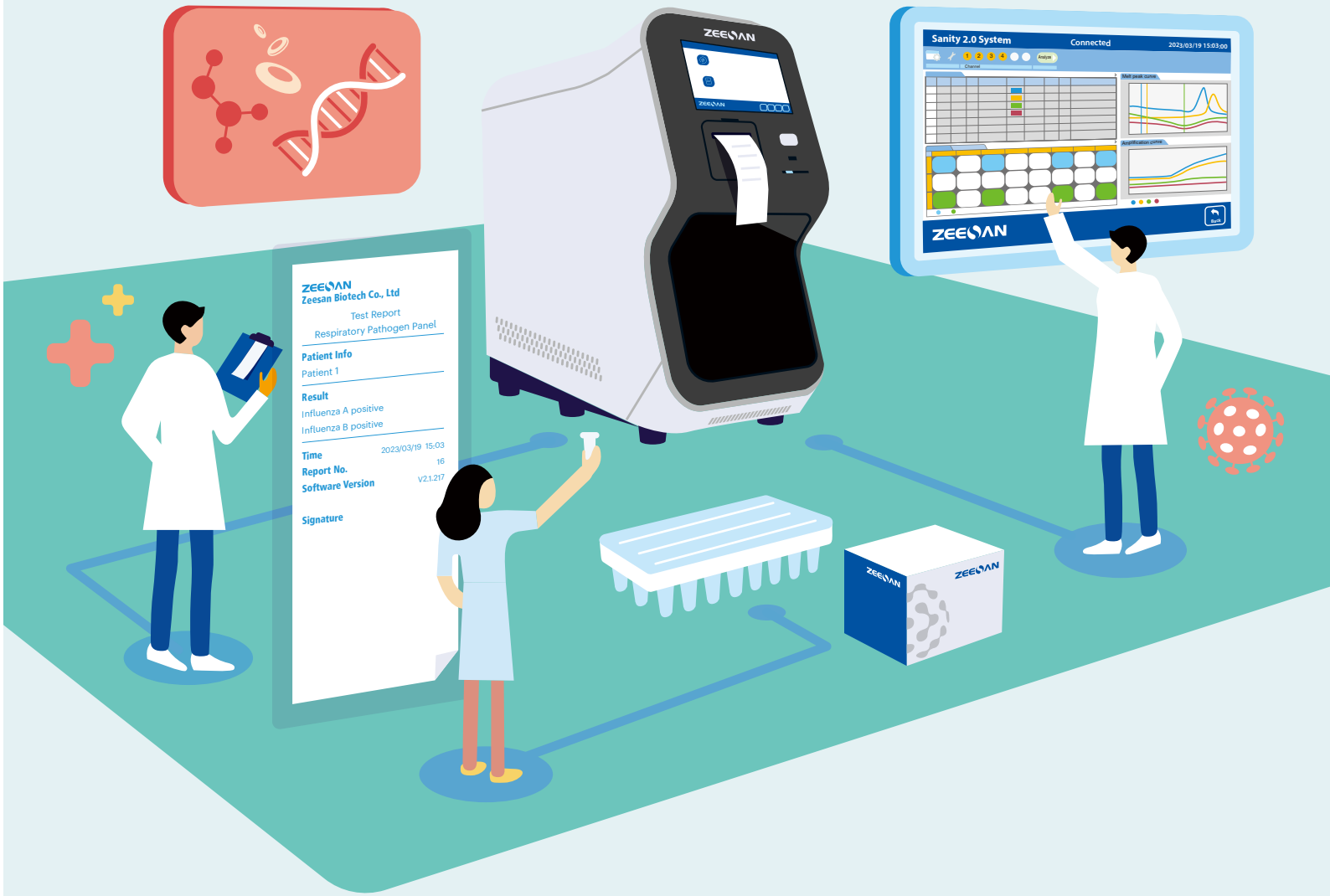
Performance Parameters	Specifications
Technology	Multicolor Melting Curve Analysis (MMCA®) based real-time qPCR
Sample Throughput	4 samples
Sample Volume	1 µL~2000 µL
Nucleic Acid Extraction Method	Magnetic bead-based
Dimension	260mm (L) x 540mm (W) x 570mm (H)
Weight	30 kg
Heating Rate	≥ 5.0°C/s
Cooling Rate	≥ 3.5°C/s
Temperature Accuracy	≤ 0.1°C
Temperature Uniformity	≤ ±0.1°C
Detection Channels	4 channels
Decontamination	UV light lamp
Printing function	Built-in printer
Control Panel	Touchscreen or external computer
Connectivity	USB, Wi-Fi

Order Information

Cat. No.	Product Name	Size
505101	Sanity 2.0 System	1 set

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Sanity 2.0 System

Fully automated and integrated molecular diagnostic platform

Features →



Maximizing Multiplexing Capacity
Empowered by patented MMCA® technology, Sanity 2.0 System is able to detect multiple targets in each fluorescent channel.

Sample in, result out
Simple workflow effectively reduces processing time.

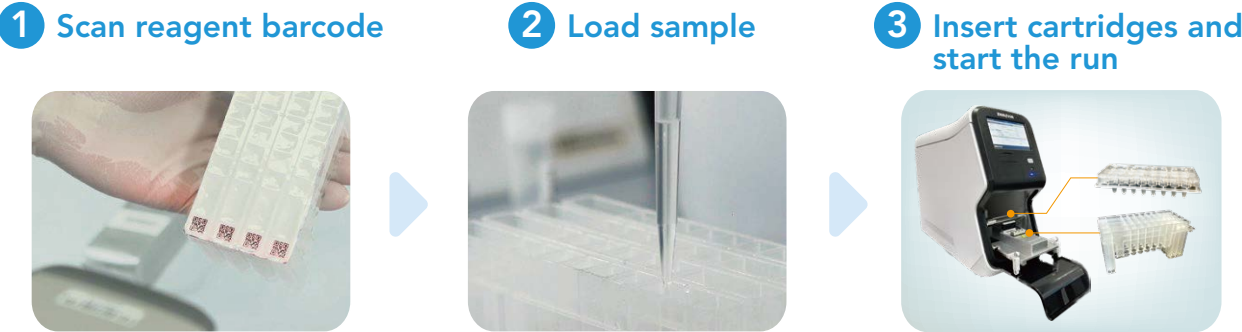
Pre-loaded reagents for easy handling
The unique design of reagent cartridges is suitable for fast-paced clinical labs.

Built-in touchscreen and printer
Results can be printed out directly once complete the run.

UV decontamination
UV lamp with a set timer to minimize the risk of contamination.

Small footprint
Just 26 cm of bench space is needed.

Simple Workflow →



Tests →

Tuberculosis (TB)

Cat. No.	Product Name	Description	Size
608115 608815	MTB DNA Extraction Kit (Sanity 2.0)	DNA extraction from sputum, TB culture, bronchial washing fluid, bronchoalveolar lavage fluid (BALF), etc.	24 Tests/Kit
801176*	MTB Test Kit (Sanity 2.0)	Mycobacterium Tuberculosis Complex (MTBC)	24 Tests/Kit
801177*	MDR-TB Test Kit (Sanity 2.0)	Rifampicin and isoniazid resistance mutations	24 Tests/Kit
801181*	MTB/MDR Test Kit (Sanity 2.0)	· MTBC · Isoniazid-resistance mutations · Rifampicin-resistance mutations	24 Tests/Kit
801180**	Mycobacteria Identification Kit (Sanity 2.0)	19 clinically relevant mycobacteria, including MTBC and nontuberculous mycobacteria (NTM)	24 Tests/Kit

*Use with Cat.No.608115 for extraction.
**Use with Cat.No.608815 for extraction.

Respiratory Pathogen Panel (RPP)

Cat. No.	Product Name	Description	Size
608101 608501	Sanity-2.0-Pathogen Nucleic Acid Extraction Kit	Nucleic acid extraction from saliva, BALF, sputum, swabs, etc.	24 Tests/Kit
801406**	SARS-CoV-2 Test Kit (Sanity 2.0)	Detection of SARS-CoV-2	24 Tests/Kit
801112*	Sanity-2 Respiratory Pathogen Panel (RPP4)	· Influenza A virus · Influenza B virus · RSV · SARS-CoV-2	24 Tests/Kit
801918**	Sanity-2 Respiratory Pathogen Panel (RPP40)	Detection of 40 pathogens of respiratory tract: 19 viruses · Adenovirus · Bocavirus · Coronavirus 229E/OC43/NL63/HKU1 · Enterovirus · Human Metapneumovirus · Influenza A virus · Influenza B virus · MERS-CoV · Parainfluenza Virus I/II/III/IV · RSV A/B · Rhinovirus · SARS-CoV-2 21 bacteria · A. baumannii · A. fumigatus · B. parapertussis · B. pertussis · C. pneumoniae · C. psittaci · C. trachomatis · Cryptococcus · E. coil · H. influenzae · K. pneumoniae · L. pneumophila · M. catarrhails · M. pneumoniae · P. jirovecii · P. aeruginosa · Rickettsia · S. aureus · S. epidermidis · S. pneumoniae · S. pyogenes	24 Tests/Kit

*Use with Cat.No.608101 for extraction. Must process 4 samples in a batch.
**Use with Cat.No.608501 for extraction. Allows for flexible loading of 1-4 samples.

HPV

Cat. No.	Product Name	Description	Size
608112	HPV DNA Extraction Kit (Sanity 2.0)	DNA extraction from cervical secretions	24 Tests/Kit
801170	High Risk HPV Genotyping Kit (Sanity 2.0)	Identification of 14 high-risk HPV types: 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68	24 Tests/Kit
801916	Low Risk HPV Genotyping Kit (Sanity 2.0)	Identification of 14 low-risk HPV types: 6, 11, 26, 40, 42, 43, 44, 53, 54, 61, 69, 70, 72, 81	24 Tests/Kit

STI

Cat. No.	Product Name	Description	Size
801910	STI-8 Detection kit (Sanity 2.0)	For research use only Identification of 8 STI pathogens: CT, NG, TP, TV, UU, HD, HSV-1, HSV-2	24 Tests/Kit
	STI-7 Detection Kit (Sanity 2.0)	In development Identification of 7 STI pathogens: CT, NG, UU, MG, UP, MH, HSV-2	
	STI-15 Detection Kit (Sanity 2.0)	In development Identification of 15 STI pathogens: CT, NG, TP, TV, UU, HD, MG, UP, KG, HSV-1, HSV-2, HCMV, VZV, MH, HHV-8	