



# Sanity 2.0 System

Fully automated and integrated molecular diagnostic platform

## Features →



### Capability of single-tube multi-target detection

Empowered by patented MMCA<sup>®</sup> technology, Sanity 2.0 System is able to detect up to 72 targets in ONE reaction tube.



### Built-in touchscreen and printer

Results can be printed out directly once complete the run.



### Sample in, result out

Simple operation with less than 5-minute of hands-on time.



### UV decontamination

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



### Pre-loaded reagents for easy handling

The unique design of reagent cartridges is suitable for fast-paced clinical labs.



### Small footprint

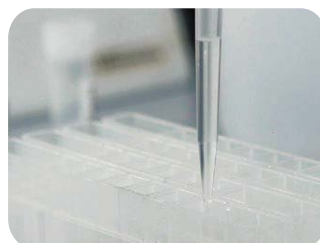
Just 26 cm of bench space is needed.

## Simple Workflow →

### 1 Scan reagent barcode



### 2 Load sample



### 3 Insert cartridges and start the run



# Tests

## Tuberculosis (TB)

Cat. No.	Product Name	Description	Pack
608115 608715	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
801180	Mycobacteria Identification Kit (Sanity 2.0)	19 clinically relevant mycobacteria, including MTBC and nontuberculous mycobacteria (NTM)	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

## Respiratory Pathogen Panel (RPP)

Cat. No.	Product Name	Description	Pack
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
801114	Sanity-2 Respiratory Pathogen Panel (RPP3)	· Influenza A virus (Flu A) · Respiratory syncytial virus (RSV) · Influenza B virus (Flu B)	24 Tests/Kit
801112	Sanity-2 Respiratory Pathogen Panel (RPP4)	· Influenza A virus · Influenza B virus · RSV · SARS-CoV-2	24 Tests/Kit
801183	Sanity-2 Respiratory Pathogen Panel (RPP12)	<b>Detection of 12 pathogens of upper respiratory tract:</b> · Influenza A virus · Influenza B virus · Adenovirus · Bocavirus · RSV A/B · Rhinovirus · Parainfluenza Virus 1/2/3/4 · Coronavirus 229E/OC43/NL63/HKU1 · Human metapneumovirus (HMPV) · Mycoplasma pneumoniae · Chlamydia pneumoniae · Bordetella pertussis	24 Tests/Kit
801116	Sanity-2 Respiratory Pathogen Panel (RPP17)	<b>Detection of 17 pathogens of lower respiratory tract:</b> · <i>S. epidermidis</i> · <i>P. jirovecii</i> · <i>H. influenzae</i> · <i>K. pneumoniae</i> · <i>L. pneumophila</i> · <i>Salmonella</i> · <i>A. fumigatus</i> · <i>M. catarrhalis</i> · <i>Cryptococcus</i> · <i>S. aureus</i> · <i>Rickettsia</i> · <i>A. baumannii</i> · <i>S. pyogenes</i> · <i>C. albicans</i> · <i>S. pneumoniae</i> · <i>E. coli</i> · <i>Paeruginosa</i>	24 Tests/Kit
801148	Sanity-2 Respiratory Pathogen Panel (RPP19)	<b>Detection of 19 pathogens of upper respiratory tract:</b> · Influenza A virus · Adenovirus B/C/E · Rhinovirus · Coronavirus 229E/OC43/NL63/HKU1 · Human metapneumovirus (HMPV) · <i>C. pneumoniae</i> · Influenza B virus · Bocavirus · Parainfluenza virus 1/2/3/4 · RSV A/B · <i>M. pneumoniae</i> · <i>B. pertussis</i>	24 Tests/Kit
801118	Sanity-2 Respiratory Pathogen Panel (RPP36)	The combination of RPP17 and RPP19	24 Tests/Kit

## HPV

Cat. No.	Product Name	Description	Pack
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)	<b>Identification of 14 high-risk HPV types:</b> 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59, 66, 68	24 Tests/Kit

## Scenes



## Technical Specifications

Performance Parameters	Specifications
Technology	Multicolor Melting Curve Analysis (MMCA <sup>®</sup> ) based real-time qPCR
Sample Throughput	4 samples
Sample Volume	1 $\mu$ L~2000 $\mu$ L
Nucleic Acid Extraction Method	Magnetic bead-based
Dimension	260mm (L) x 540mm (W) x 570mm (H)
Weight	30 kg
Heating Rate	$\geq 5.0^{\circ}\text{C}/\text{s}$
Cooling Rate	$\geq 3.5^{\circ}\text{C}/\text{s}$
Temperature Accuracy	$\leq 0.1^{\circ}\text{C}$
Temperature Uniformity	$\leq \pm 0.1^{\circ}\text{C}$
Detection Channels (Max. multiplexing in one tube)	4 channels (72 targets)
Decontamination	UV light lamp
Printing function	Built-in printer
Control Panel	Touchscreen or external computer

## Order Information

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

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