



ONE PCR



Fully Automated
Detection System

SAMPLE IN → RESULT OUT

1 Sample upto 20 Targets



CE IVD



AUTOMATIC



INTEGRATED



ACCURATE



BIO-SAFETY

ONE
PCR



Highly sensitive Absolute Solution that offers high quality reliable detection using automated nucleic acid extraction followed by RT-PCR detection in single assay with an innovative extraction cassette and PCR reaction cartridge.

- **Fully automatic nucleic acid** detection for quick results
- **Simple, small size** and convenient to use
- **HEPA filters and UV light** sterilization for efficient results
- **Minimal manual intervention**; Direct sample to fluorescence detection
- **Pre-filled cartridge** for extraction & amplification eliminating manual pipetting

SAMPLE IN



RESULT OUT



Multi-target Detection; RT-PCR detection of upto 20 target genes in one sample

Special Function Module

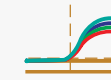


Highly sensitive & automated device with innovative circular cassette design for nucleic acid extraction and RT-PCR based fluorescence detection

Key Features



Pipette Free Operation



Five Channel Fluorescence based Detection System



Automated Analysis & Reporting



High Sensitivity & Specificity



Automation Minimizing User Error



Standalone Operation

ONE ANSWER TO ALL YOUR COMPLEX — NEEDS WITH HIGHEST SENSITIVITY

JAK-2 **TB-MDR** **3Hdtect** **Respiratory Panel**
EGFR **Sepsis** **Wound Panel**
Tropical Fever **BCR-ABL** **UTI+AMR** **HBV**
Tuberculosis **PML-RARA** **Gastrointestinal Panel**



Fast Speed
Completes One
run in
~50-70 minutes

HLA B27

Influenza A/B

STIs+AMR

STIs

HPV

CovFlu

AMR

EXTRACTION
LIQUID HANDLING
AMPLIFICATION
ANALYSIS



Highly Compact Solution for Multiple target detection in Single Sample

Ordering Information

CAT #	Description
IG2M5001UF	OnePCR

Ideal for Testing at :



HOSPITALS & CLINICS



MEDICAL EMERGENCY
WARDS



LABORATORIES &
COLLECTION CENTER



AIRPORTS



PHARMACY



CRUISE SHIPS

Specifications

Sample	Sample Volume Liquid handling volume Liquid handing accuracy Liquid handling Repeatability	<500ul 10-50uL 10uL : <5% ; 30uL : <2% 10uL : <5% ; 30uL : <2%
Nucleic acid extraction	Volume of each extraction kits	Magnetic beads : 100ul; Lysis : 500ul; Washing 1, 2, 3 : 500ul Eluent : 100-200ul; Solid paraffin oil : 150-200ul
	Status of each extraction reagent	Liquid
	Temperature control requirements for extraction reagents	±2°C
	Motion control accuracy	±0.1mm
Consumables	Number of PCR rxn vessel	4
	PCR Tube	Special ultra thin G2M rxn vessel
	Number of tips position	2 , Tip*1+Magnetic rod sleeve*1
	Tip volume	5ul-30ul
PCR temperature control	Reaction volume	15-50ul
	Max heating rate	7-8°C/S
	Max cooling rate	7-8°C/S
	Temperature range	9~99°C
	Temperature accuracy	±0.20°C
	Temperature uniformity	±0.20°C
Fluorescence detection	Fluorescence Channels	5
	Supported Dyes	Channel1 : FAM /SYBR Green Channel2 : VIC/HEX/JOE/TET Channel3 : ROX/Texas Red Channel4 : Cy5/LIZ, Channel5 : Cy5.5
	Fluorescence channel crosstalk	After correction, the crosstalk rate of the original fluorescence value between the channels is lower1.00%
	Scanning method and time	Linear scanning, time2s
Control software	Control Method	5 inch Screen of Android system
	Parameter settings	Each fluorescence channel can be selected individually to set the temperature, time, number of cycles, fluorescence collection point, data processing method, etc
	Detect data output	Original fluorescence value, fluorescence threshold, Ct value;The fluorescence change curve can be displayed in real time.
	Analysis of data results	The CT threshold is qualitative, relatively quantitative, and the data results can be viewed in real time during operation ;
	File storage	Setting information, test data, and analysis results can be stored and exported, and experimental data that is running and ending can be backed up in the installation folder
	Fluorescence curve	It should be relatively smooth after being corrected by the software algorithm; The curve result plot can be zoomed in and out. The baseline threshold can be adjusted.
Other requirements	Supported languages	English version
	Voltage/frequency	100V-240V, 50/60Hz and can be supported by batteries or power bank as well.
	Registration, Certification	CE-IVD, EMC/IEC compliant
	Working Environment	15-30°C, ≤85%
	Dust particles	There are dust protective net design to prevent
	Pollution control	Paraffin sealing, Negative pressure system, HEPA filtration, UV sterilize

Broad Range of High Sensitivity Kits

Commercial Name	Cat No.	Pack Size
Oncology		
PML-RARA Real Time PCR Kit	G2M708821R	96/ 48 Tests
BCR-ABL Real Time PCR Kit	G2M708921R	96/ 48 Tests
HLA-B27-Q Real Time PCR Kit	G2M801121R	96/ 48 Tests
JAK-2-Q Real Time PCR Kit	G2M802621R	96/ 48 Tests
Mycobacterium Tuberculosis Detection		
MT-C-Q Real Time PCR Kit (Tbdetect)	G2M707321R	96/ 48 Tests
TB Comprehensive Real Time PCR Kit (Tbfind)	G2M803121R	96/ 48 Tests
MTB-NTM Multiplex Real Time PCR Kit (Tbdetect Advanced)	G2M707421R	96/ 48 Tests
Respiratory Disease Diagnostics		
Influenza A/B-Q Real Time PCR Kit	G2M706021R	96/ 48 Tests
B. Pertussis-Q Real Time PCR Kit	G2M706821R	96/ 48 Tests
S. Pneumonia-Q Real Time PCR Kit	G2M706921R	96/ 48 Tests
M. Pneumonia-Q Real Time PCR Kit	G2M707721R	96/ 48 Tests
Measles-Q Real Time PCR Kit	G2M705721R	96/ 48 Tests
LP-MP Multiplex Real Time PCR Kit	G2M707921R	96/ 48 Tests
Adeno-Q Real Time PCR Kit	G2M707821R	96/ 48 Tests
MERS-Q Real Time PCR Kit	G2M802121R	96/ 48 Tests
RSV-Q Real Time PCR Kit	G2M801221R	96/ 48 Tests
COVID Detection		
COVIDtect Multiplex RT PCR Kit for COVID-19	G2M030521R	96/ 48 Tests
Rapi-Q Multiplex Real Time PCR Kit for COVID-19	G2M505121R	96/ 48 Tests
COVFlu One Step RT PCR Kit	G2M272721R	96/ 48 Tests
CoVFlu-II One Step RT PCR Kit	G2M709821R	96/ 48 Tests
Reproductive Health		
Human Papilloma Virus (HPV)-Q Real Time PCR Kit	G2M706721R	96/ 48 Tests
HPV-Q comprehensive Real Time PCR Kit	G2M803921R	96/ 48 Tests
N. Gonorrhoeae (NG)-Q Real Time PCR Kit	G2M706421R	96/ 48 Tests
T. Vaginalis (TV)-Q Real Time PCR Kit	G2M706621R	96/ 48 Tests
U. Urealyticum-Q Real Time PCR Kit	G2M801421R	96/ 48 Tests
M. Hominis (MH)-Q Real Time PCR Kit	G2M707221R	96/ 48 Tests
Syphilis-Q Real Time PCR Kit	G2M705521R	96/ 48 Tests
STI7-Q Real Time PCR Kit	G2M709121R	96/ 48 Tests
STI-Q comprehensive Real Time PCR Kit	G2M803721R	96/ 48 Tests
HSV-Q Real Time PCR Test Kit	G2M705221R	96/ 48 Tests
Toxo-Q Real Time PCR Kit*	G2M709621R	96/ 48 Tests
RCP-Q comprehensive Real Time PCR Kit	G2M803521R	96/ 48 Tests
Other Infectious Diseases		
H. Pylori-Q Real Time PCR Kit	G2M706321R	96/ 48 Tests
BK-Q Real Time PCR Kit for BK virus	G2M705421R	96/ 48 Tests
EBV-Q Real Time PCR Kit	G2M705621R	96/ 48 Tests
Nipah-Q Real Time PCR Kit	G2M705921R	96/ 48 Tests
Rota-Q Real Time PCR Kit	G2M801621R	96/ 48 Tests
VZV-Q Real Time PCR Kit	G2M705821R	96/ 48 Tests
Human Parvovirus (B19)-Q Real Time PCR Kit	G2M706521R	96/ 48 Tests
C. Albicans (CA)-Q Real Time PCR Kit	G2M708021R	96/ 48 Tests
Rubella-Q Real Time PCR Kit*	G2M804023R	96/ 48 Tests
CMV-Q Real Time PCR Kit*	G2M709521R	96/ 48 Tests
MCP-Q comprehensive Real Time PCR Kit	G2M803821R	96/ 48 Tests
GCP-Q comprehensive Real Time PCR Kit	G2M803621R	96/ 48 Tests
AMR-Q Real Time PCR Kit	G2M804027R	96/ 48 Tests
Sepsis-Q Real Time PCR Kit	G2M804026R	96/ 48 Tests
Blood Borne Diseases		
HBV-Q Real Time PCR Test Kit*	G2M709221R	96/ 48 Tests
HCV-Q Real Time PCR Test Kit*	G2M709321R	96/ 48 Tests
HIV-Q Real Time PCR Test Kit*	G2M709421R	96/ 48 Tests
3Hdteq-Q Real Time PCR Test Kit*	G2M804022R	96/ 48 Tests
Vector Borne Transmission Detection		
Dengue-Q Real Time PCR Kit	G2M705021R	96/ 48 Tests
Malaria-Q Real Time PCR Kit	G2M706221R	96/ 48 Tests
Chikungunya-Q Real Time PCR Test Kit	G2M705321R	96/ 48 Tests
Zika-Q Real Time PCR kit	G2M262621R	96/ 48 Tests
Y. Fever-Q Real Time PCR kit	G2M801821R	96/ 48 Tests
J. Encephalitis-Q Real Time PCR kit	G2M802021R	96/ 48 Tests
W. Nile-Q Real Time PCR kit	G2M802321R	96/ 48 Tests
Para-Q Multiplex Real Time PCR kit	G2M706121R	96/ 48 Tests
Para2-Q Multiplex Real Time PCR kit	G2M801521R	96/ 48 Tests
Genetic Disorders		
SCA-Q Real Time PCR Kit	G2M803221	96/ 48 Tests

Fully Automated
IVD Kits Manufacturing
Facility of 1,50,000 Sq.Ft.
in Manesar, INDIA



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