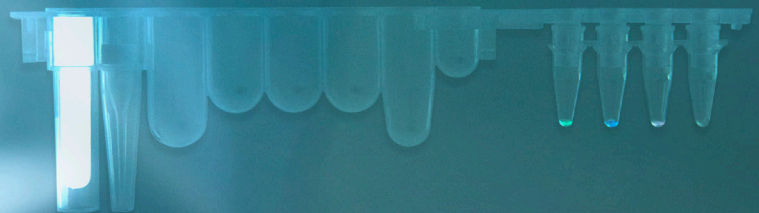


Full Automated Nucleic Acid Detection System

POC 



All-in- One Cartridge
Integrated Nucleic Acid extraction and Multiplex
Real-Time PCR using cartridge

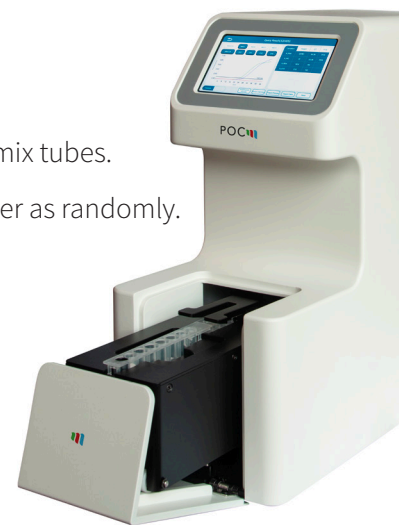


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Full Automated Nucleic Acid Detection System

- Sample in Result out, Extraction(Magnetic bead)-Detection-Data analysis.
- Multi target detection,16 targets with a single sample.
- Ready to use, Nucleic acid extraction cartridge integrated with lyophilized PCR mix tubes.
- User friendly Compact design, it is advantage to use multiple instrument together as randomly.
- Four channel fluorescence dyes.
- Highly sensitive, Real-time PCR assay with expanded test menu.
- Rapid results, completes one run(whole process) in 45-80 minutes.
- Touch screen, easy to follow Real time ampification data.
- Hepa filters and UV light to avoid contamination.



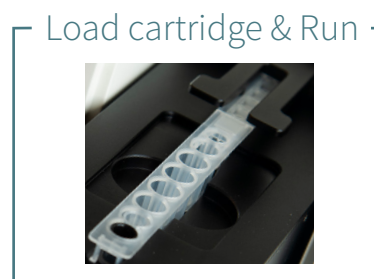
Ready to use pre-filled test cartridge

It is based on cartridge technology integrated with Real time PCR reaction tubes.

Various sample types;

Oral swab, Pharyngeal swab, Nasopharyngeal swab, Sputum, Saliva, Alveolar lavage fluid, Whole blood, Serum, Plasma, Urine, Genital swab, Environmental swab and Fresh tissue samples etc. ...

Work Flow



Test Menu



Human Papillomavirus Infections

PocM HPV (2+16) High & Medium Risk Screening Kit	lyophilized	Pathogens; 16,18,(26,31,33,35,39,45,51,52,53,56,58,59,66,68,73 and 82)
PocM HPV (2+12) High Risk Screening Kit	lyophilized	Pathogens; 16,18,(31,33,35,39,45,51,52,56,58,59,66 and 68)
PocM HPV High & Medium & Low Risk Screening Kit	lyophilized	Pathogens; (16,18,31,33,35,39,45,51,52,56,58,59,68)(26,53,66,73,82)(6,11,42,43,44 ,81)
PocM HPV 24 Genotyping Detection kit	lyophilized	Pathogens; 16,18,31,33,35,39,45,51,52,56,58,59,68,26,53,66,73,82,6,11,42,43,44 and 81



STD & Urological Tract Panel

PocM Urological&Reproductive Tract Panel 31 Detection Kit	lyophilized	Pathogens; Herpes simplex virus I, Herpes simplex virus II, <i>Candida albicans</i> , <i>Candida tropicalis</i> , <i>Candida krusei</i> , <i>Candida parapsilosis</i> , <i>Candida glabrata</i> , <i>Candida auris</i> , <i>Candida dubliniensis</i> , <i>Streptococcus agalactiae</i> , <i>Bartonella henselae</i> , <i>Neisseria gonorrhoeae</i> , <i>Lactobacillus crispatus</i> , <i>Lactobacillus gasseri</i> , <i>Bifido-bacterium</i> , <i>Gardnerella vaginalis</i> , <i>Corynebacterium minutissimum</i> , <i>Actinomyces israelii</i> , <i>Haemophilus ducreyi</i> , <i>Lactobacillus jensenii</i> , <i>Lactobacillus iners</i> , <i>Fannyhessea vaginae</i> , <i>Leptotrichia</i> , <i>Ureaplasma parvum</i> , <i>Ureaplasma urealyticum</i> , <i>Mycoplasma hominis</i> , <i>Mycoplasma genitalium</i> , <i>Chlamydia trachomatis</i> , <i>Treponema Pallidum</i> , <i>Trichomonas vaginalis</i> and <i>Entamoeba histolytica</i>
PocM Sexually Transmitted Infection Panel 14 Detection Kit	lyophilized	Pathogens; Herpes simplex virus Type 1 (HSV 1), Herpes simplex virus Type 2 (HSV 2), <i>Chlamydia trachomatis</i> (CT), <i>Neisseria gonorrhoeae</i> (NG), <i>Ureaplasma parvum</i> (UP), <i>Ureaplasma urealyticum</i> (UU), <i>Mycoplasma hominis</i> (MH), <i>Mycoplasma genitalium</i> (MG), <i>Candida albicans</i> (CA), <i>Gardnerella vaginalis</i> (GV), <i>Treponema Pallidum</i> (TP), <i>Trichomonas vaginalis</i> (TV), <i>Hemophilus ducreyi</i> (HD), <i>Group B Streptococcus</i> (GBS).



Respiratory Infections

PocM Respiratory Pathogen Panel 15 Detection Kit	lyophilized	Pathogens; SARS-CoV-2 (N gene, ORFab gene), Influenza A virus (FluA), Influenza B virus (FluB), Respiratory syncytial virus (RSV), Adenovirus (AdV), Metapneumovirus (MPV), Bocavirus (HBoV1~4), Enterovirus (HEV), Coronavirus (229E, NL63, OC43, HKU1), Parainfluenza virus (PIV1~4), <i>Mycoplasma pneumoniae</i> (MP), <i>Chlamydia pneumoniae</i> (CP), <i>Legionella pneumophila</i> (LP), <i>Haemophilus influenzae</i> (HI), <i>Bordetella pertussis</i> (BP)
PocM Respiratory Pathogen Panel 13 Detection Kit	lyophilized	Pathogens; Influenza A-H1 (Flu A-H1), Influenza A-H1pdm09 (Flu A-H1pdm09), Influenza A H3 (Flu A-H3), Respiratory syncytial virus A (RSV A), Respiratory syncytial virus B (RSV B), Parainfluenza virus 1 (PIV 1), Parainfluenza virus 2 (PIV 2), Parainfluenza virus 3 (PIV 3), Parainfluenza virus 4 (PIV 4), Coronavirus 229E (229E), Coronavirus NL63 (NL63), Coronavirus OC43 (OC43), Coronavirus HKU1 (HKU1)
PocM FluA/FluB/RSV Detection Kit	lyophilized	Pathogens; Influenza A virus (Flu A), Influenza B virus (Flu B), Respiratory syncytial virus(RSV)



Tuberculosis Infection

PocM Mycobacterium Tuberculosis (MTB) Detection Kit	lyophilized	Pathogens; <i>Mycobacterium Tuberculosis</i> (MTB)
PocM MTB/NTM Detection Kit	lyophilized	Pathogens; <i>Mycobacterium Tuberculosis</i> (MTB), <i>Mycobacteria</i> (consists of about 170 species of mycobacteria)(NTM)
PocM MTB/MDR Detection Kit	lyophilized	(coming soon)
PocM MTB/XDR Detection Kit	lyophilized	(coming soon)



Gastrointestinal Infection

PocM Gastrointestinal Virus Panel 6 Detection Kit	lyophilized	Pathogens; Norovirus GI (NoV-GI), Norovirus GII (NoV-GII), Adenovirus (AdV), Sapovirus (SV), Astrovirus (AstV), Rotavirus (RotV)
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Neuroinfections

PocM Meningitis Panel 18 Detection Kit	lyophilized	Pathogens; <i>Escherichia coli K1</i> (<i>E.coli K1</i>), <i>Group B Streptococcus</i> (GBS), <i>Haemophilus influenzae</i> (HI), <i>Listeria monocytogenes</i> (LM), <i>Neisseria meningitidis</i> (NM), <i>Streptococcus pneumoniae</i> (SP), Adenovirus (AdV), Enterovirus (HEV), Human parechovirus (HPEV), Mumps virus (MV), Parvovirus B19 (B19V), Cytomegalovirus (CMV), Epstein-Barr virus (EBV), Herpes simplex virus type 1 (HSV1), Herpes simplex virus type 2 (HSV2), Human herpes virus 6 (HHV6), Human herpesvirus 7 (HHV7), Varicella-zoster virus (VZV)
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Urinary Tract Infections

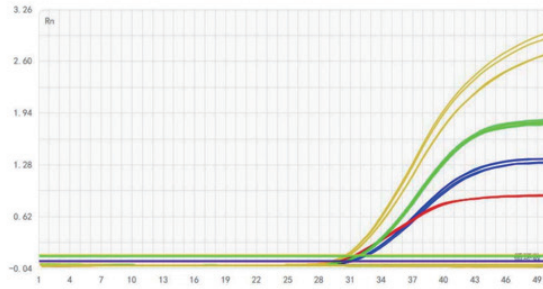
PocM Urinary Tract Infection Panel 19 and Drug resistance (12 genes) Detection Kit	lyophilized	(coming soon)
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Others

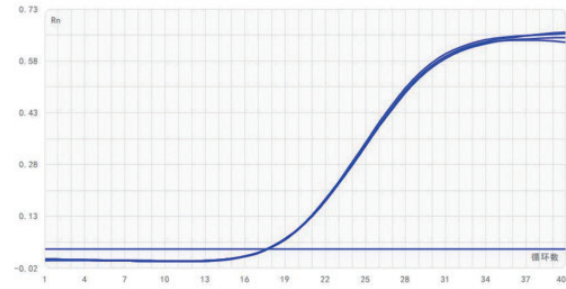
PocM Candida Auris and Antibiotic Resistance Detection kit	lyophilized	Pathogens; <i>Candida auris</i> , Azole-resistance mutation (ERG11) and Echinocandin resistance mutation (FKS1)
PocM Clostridium Difficile TcdA and TcdB gene Detection Kit	lyophilized	Pathogens; <i>C. difficile</i> , TcdA gene, TcdB gene
PocM H.Pylori and Multi Antibiotic Resistance Detection Kit	lyophilized	Pathogens; <i>H.Pylori</i> , Clarithromycin and Quinolones resistance

Technical Specification

Multiple targets detection



Excellent repeatability



SPECIFICATION	PARAMETER	SPECIFICATION	PARAMETER
Throughput	1	Multi-targets Detection	Up to 16targets
Extraction Principle	Magnetic beads	Sample Volume	<500uL
Temperature control accuracy	±0.2°C	PCR Max Heating /Cooling Rate	5°C/s
Fluorescence Channels	4	Supported Dyes	FAM/SYBR Green, VIC/JOE/HEX/TET,ROX/Texas Red, Cy5/LIZ,
Detector	SiPMT	Excitation Wavelength	455-650nm
Emission Wavelength	500-720nm	Pollution Control	Built-in HEPA filter and UV lamp
Data Export	WIFI,Bluetooth	Other Functions	Bar-code Scanner, Printer(optional)
Dimension	155*353*330, 6Kg	Power	AC110-220V, 50/60Hz, 100W

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