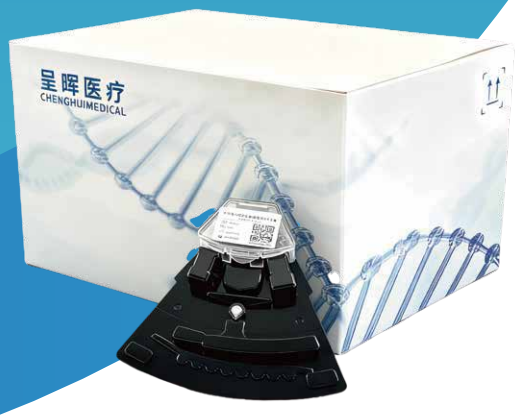
CQ-0404
Fully Automated Nucleic Acid Analysis system

IVD CE



IVD CE

20+
Targets in each sample

60-85
Minutes

7
qPCR chambers

4
Samples per run

Benefiting Life and Health with Genetic Technology

呈晖医疗
CHENGHUI MEDICAL

F FEATURES

1.Ultra-multiplex qPCR test by Centrifugal Microfluidic Technology
Up to 28 targets in each sample
Centrifugal microfluidics: precise fluid control

2.All-in-one Fully Integrated POCT System
No PCR laboratory required
No professional PCR operators needed
"Sample in, result out" (end-to-end automation)

3.Accuracy and Safety
Silica Membrane based purification and qPCR method ensure accuracy
Laser surface welding technology: sealed system ensures no contamination

4.Simple and fast
Room temperature storage and delivery
No longer than 1.5hour per test

5.High throughput
4 samples per run
Up to 24 samples per day in each analyzer

T TESTING PROCESS




1. Add Sample | 2.Scan Sample Information | 3. Place Cartridge

1 minute

4. Get Report

60~85 minutes

Sample In → Result Out

Time: 60-85 minutes

DETECTION PANELS

Already launched with CE marking

Panel name	pathogens
26 (27*) Upper Respiratory Tract Pathogen Nucleic Acid Detection Kit	Influenza A virus, Influenza A virus H1 subtype, Influenza A virus H3 subtype, Influenza A virus H5 subtype, Influenza A virus H1N1-pdm09 , Influenza B virus Y strain, Influenza B virus V strain, Respiratory syncytial virus A type, Respiratory syncytial virus B type, Sars-CoV-2, Rhinovirus, Enterovirus, Parainfluenza virus types 1/2/3/4, Middle East respiratory syndrome coronavirus, Coronavirus 229E, Coronavirus NL63, Coronavirus HKU1, Coronavirus OC43, Bocavirus, Adenovirus, Mycoplasma pneumoniae, Bordetella pertussis, Bordetella parapertussis, Bordetella holmesii, and Legionella pneumophila. (chlamydia pneumoniae*)
10 (11*) Reproductive Tract Pathogen Nucleic Acid Detection Kit	Mycoplasma hominis II (MH), Herpes Simplex Virus II (HSV-II), Ureaplasma urealyticum (UU), Trichomonas vaginalis (TV), Neisseria gonorrhoeae (NG), Herpes Simplex Virus I (HSV-I), Mycoplasma genitalium (MG), Hemophilus ducreyi (HD), Gardnerella vaginalis (GV) and Ureaplasma parvum (UP). (Chlamydia trachomatis (CT)*)
26 Gastrointestinal Tract Pathogen Nucleic Acid Detection Kit	Vibrio cholerae, Vibrio parahaemolyticus, Vibrio vulnificus, Salmonella spp., Shigella/Entero invasive E. coli (EIEC), Campylobacter, Clostridioides difficile (toxin A/B), Yersinia enterocoliti ca, Plesiomonas shigelloides, Bacillus cereus, Shiga-like toxin-producing Escherichia coli (STEC) stx1, Shiga-like toxin-producing Escherichia coli (STEC) stx2, Enteropathogenic E. coli (EPEC), Enterotoxigenic E. coli (ETEC), E. coli O157, Enteroaggregative E. coli (EAEC), Norovi rus GI, Norovirus GII, Adenovirus F40/41, Astrovirus, Sapovirus, Rotavirus A, Cryptosporidium spp., Cyclospora cayetanensis, Entamoeba histolytica and Giardia lamblia.

Scheduled to launch in 2026

Panel name	pathogens
19 Meningitis Pathogen Nucleic Acid Detection Kit	Enterovirus, Herpes simplex virus 1, Herpes simplex virus 2, Human parechovirus, Haemophilus influenzae, Escherichia coli K1, Neisseria meningitidis (encapsulated), Mycoplasma pneumoniae, Streptococcus agalactiae, Staphylococcus epidermidis, Listeria monocytogenes, Streptococcus pyogenes, Human herpesvirus 6, Varicella zoster virus, Toscana Virus, Cytomegalovirus (CMV), Cryptococcus neoformans/gattii, Streptococcus pneumoniae and Staphylococcus aureus.
23 (24*) Lower Respiratory Tract Pathogen and Antimicrobial Resistance Gene Nucleic Acid Detec tion Kit	Haemophilus influenzae, Pseudomonas aeruginosa, Escherichia coli, Acinetobacter calcoaceti cus-baumannii complex, Klebsiella pneumoniae group, Klebsiella oxytoca, Klebsiella aerogenes, Enterobacter cloacae complex, Proteus spp., Serratia marcescens, Moraxella catarrhalis, Staphy lococcus aureus, Streptococcus pneumoniae, Streptococcus agalactiae, Streptococcus pyogenes, Legionella pneumophila. The drug-resistant genes that can be detected include IMP, VIM, KPC, NDM, OXA-48-like, CTX-M, and mecA/C & MREJ (MRSA) (chlamydia psittaci*)
25 Blood Culture Pathogen and Antimicrobial Resistance Gene (G+&Fungi&AMR) Nucleic Acid Detec tion Kittion Kit	Candida auris, Cryptococcus (C. neoformans/C. gattii), Aspergillus fumigatus, Candida krusei, Candida albicans, Candida glabrata, Candida parapsilosis, Candida tropicalis, Streptococcus spp., Streptococcus agalactiae, Streptococcus pneumoniae, Streptococcus pyogenes, Entero coccus faecalis, Enterococcus faecium, Listeria monocyto genes, Staphylococcus spp., Staphy lococcus aureus, Staphylococcus epidermidis and PVL-producing Staphylococ cus aureus. The drug-resistant genes that can be detected include Van A、Van B、mecA、mecC、SSCmec-orfX.
27 Blood Culture Pathogen and Antimicrobial Resistance Gene (G-&AMR) Nucleic Acid Detection Kit	Bacteroides fragilis, Neisseria meningitidis, Stenotrophomonas maltophilia, Haemophilus influenzae, Pseudomonas aeruginosa, Burkholderia cepacia complex, Enterobacterales spp., Enterobacter cloacae complex, Escherichia coli, Klebsiella aerogenes, Klebsiella pneumoniae group, Proteus spp., Serratia marcescens and Hypervirulent Klebsiella pneumoniae. The drug-resistant genes that can be detected include IMP, VIM, KPC, NDM, OXA-48-like, CTX-M, and mecA/C & MREJ (MRSA).
8 Arboviral Pathogen Nucleic Acid Detection Kit	Dengue virus 1, Dengue virus 2, Dengue virus 3, Dengue virus 4, Zika virus, Chikungunya virus, Yellow Fever virus and West Nile Virus.
4 Malaria Pathogen Nucleic Acid Detec tion Kit	plasmodium spp., plasmodium falciparum, plasmodium vivax and plasmodium knowlesi.

COMPANY PROFILE

Founded in April 2022, Shenzhen Chenghui Medical Technology Co., Ltd. is an innovative enterprise co-founded by senior professionals in the in vitro diagnostic (IVD) industry and several overseas returnee doctors. With the mission of "Benefiting Life and Health with Genetic Technology" and the vision of "Making Nucleic Acid Testing Accessible to All", the company focuses on microfluidic technology and real-time fluorescent PCR technology to develop fully automated molecular point-of-care testing system.

Equipment Parameters

Instrument Size	580*350*305mm	Number of Fluorescence Channels	4
Instrument Weight	20kg	Sample Throughput	4
Rated Power	100~240V,50/60Hz	Temperature Control Accuracy	0.5℃
Rated Voltage	1130W	Operating Temperature	15-30℃
Data Communication Interface	USB,Ethernet RJ45	Fluorescence Channels	FAM, ROX, CY5, VIC
Test Method	Real-time dynamic detection		

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