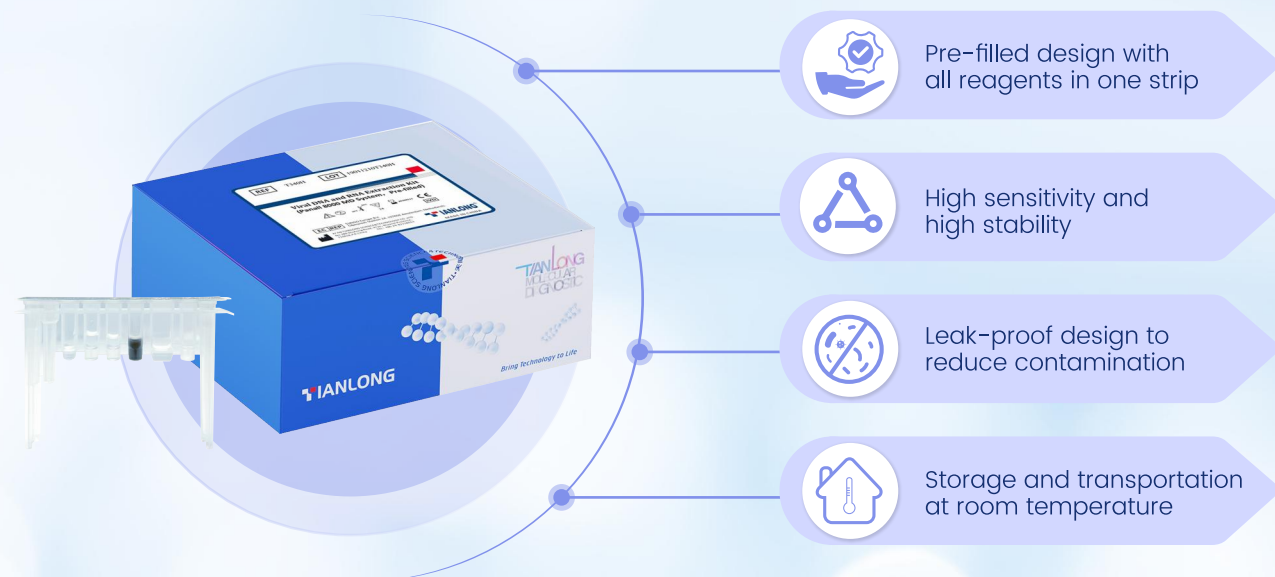


Meningitis/Encephalitis Infections

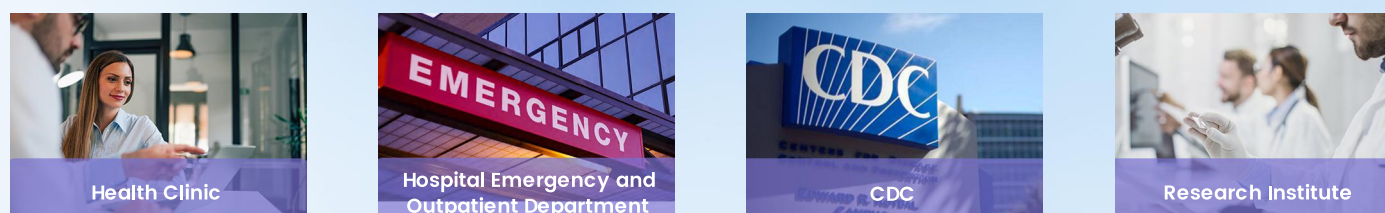
Product Name	Encephalitis and Meningitis 11 Types Pathogens Multiplex Nucleic Acid Detection Kit (Fluorescence PCR Method; Freeze-dried)
Cat.No	P976H
Specification	24T/Kit(Freeze-dried)
Specimen	Whole blood, oropharyngeal swab
Sensitivity	500 copies/mL
Precision	CV≤5%
Storage & Validity	2-30 C for 12 months
Compatible Extraction Kit	T847H-Tianlong Nucleic Acid Extraction Kit (For Pathogen DNA and RNA)

Nucleic acid extraction kit



Product Name	Cat.No	Specification	Sample Type
Nucleic Acid Extraction Kit (For Viral DNA and RNA)	T819H	24T/Kit(Pre-filled) 1T/ Strip x 24 Strips	Oropharyngeal swab samples
Nucleic Acid Extraction Kit (For Enteropathogen DNA and RNA)	T838H	24T/Kit(Pre-filled) 1T/ Strip x 24 Strips	Stool samples, anal swab samples
Nucleic Acid Extraction Kit (For HPV DNA)	-	24T/Kit(Pre-filled) 1T/ Strip x 24 Strips	Cervical swab samples
Nucleic Acid Extraction Kit (For Pathogen DNA and RNA)	T847H	24T/Kit(Pre-filled) 1T/ Strip x 24 Strips	Whole blood, oropharyngeal swab

APPLICATION AREA



PARAMETERS

Model	Panall 8000
Sample Throughput	1-8 samples at the same time
Pipetting Range	20μL ~250μL
Detection time	1-2 hours, relying on the reagent
Channel and Available Fluorescein	Channel 1: FAM, SYBR Green I, etc. Channel 2: VIC, HEX, TET, JOE, etc. Channel 3: ROX, Texas Red, etc. Channel 4: Cy5, etc.
Pipetting Performance	20μL ≤ V < 40μL: accuracy: A ≤ 5.0%, repeatability: CV ≤ 3.0% 40μL ≤ V < 100μL: accuracy: A ≤ 3.0%, repeatability: CV ≤ 1.5% V ≥ 100μL: accuracy: A ≤ 1.0%, repeatability: CV ≤ 1.0%
Extraction Heating Rate	Average heating rate: ≥ 1.5°C/s;
Extraction Temperature Accuracy	≤ 1.0°C
PCR Heating Rate	Average heating rate: ≥ 4.5°C/s Maximum heating rate: ≥ 6.1°C/s
PCR Cooling Rate	Average cooling rate: ≥ 3.5°C/s; Maximum cooling rate: ≥ 5.0°C/s.
PCR Temperature Accuracy	≤ 0.1°C
Sample Testing Linearity and Repeatability	Linear correlation: r ≥ 0.998 Repeatability: CV ≤ 1.5%
Information Management	Sample information: with scanner inside, Panall 8000 can scan and record the sample information; Reagent information: visual system can automatically identify the kit information and run the corresponding program
Minimized Contamination	Directional exhaust & negative pressure system; HEPA filtration; UV disinfection; Shortest fixed path for sample operation
Data Storage	1000 experiment files can be stored
Language	Chinese and English
Power Supply and Power Consumption	AC 100~240V, 50/60Hz; 1200VA
Communication Specification	Internet Port: TCP/IP protocol, Ethernet connection USB Port: USB 2.0
Dimension	750mm(L) × 350mm (W) × 600mm (H)
Weight	80Kg

Version 3.0

All rights reserved by Tianlong. October 29, 2024



Tianlong Science and Technology

Mail: inquiry@medtl.com
Phone: +86-29-82682132
Website: www.medtl.net
Address: No. 4266 Shanglin Road, Xi'an, China

Bring Technology to Life



Panall 8000

All-in-one Molecular Diagnosis System

Fewer steps. Walkaway workflow. High quality results.

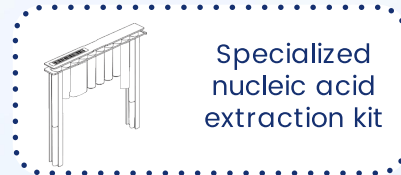


Tianlong Panall 8000 All-in-one Molecular Diagnosis System is a simple and secure molecular diagnosis system that integrates the functions of sample tube decapping/capping, sample loading, nucleic acid extraction, PCR setup, PCR detection and result analysis, which can realize a true sample in -result out detection process and bring great convenience for professionals with only one-key operation.

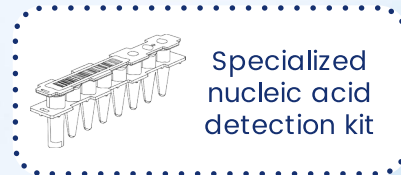
COMPATIBLE CONSUMABLES



Specialized sample tube



Specialized nucleic acid extraction kit



Specialized nucleic acid detection kit



Sample in -result out system

TESTING MENU

Category	Product Name	Target Pathogen
Respiratory Infections	Respiratory 7 Types Pathogen Multiplex Nucleic Acid Detection Kit	FluA, FluB, RSV, ADV, HRV, HPIV and MP
	Respiratory 8 Types Pathogen Multiplex Nucleic Acid Detection Kit	FluA, FluB, RSV, ADV, HRV, HPIV, MP and SARS-CoV-2
	Respiratory 17 Types Pathogen Multiplex Nucleic Acid Detection Kit	FluA, FluA/H1, FluA/H3, FluB, RSV, ADV, HRV, HPIV1, HPIV2/4, HPIV3, CP, MP, CorHKU1/OC43, CorNL63/229, HMPV, HCoV and SARS-CoV-2
Gastrointestinal Infections	Gastrointestinal Bacteria Virulence Gene Nucleic Acid Detection Kit	21 types of common gastrointestinal bacteria virulence genes including ipaH, cdtA, aggR, eae, O1rfb, ompW, cdtB, stxA, stx2, SEN1383, invA, cdtC, ETEC-It, tth, O139rfb, ctxA, foxA, stlb, stx1, STY4669, STM0159
	Diarrhea Syndrome 21 Types Pathogens Multiplex Nucleic Acid Detection Kit	21 types of pathogens causing diarrhea including EIEC, ETEC, EPEC, EHEC, EAEC, SHIG, ASTV, SAPV, EADV, PS, VCH, VFLU, SAL, C. diff, CAMP, Rotavirus A/B/C, NoV GI, NoV GII, YE
Sexually Transmitted Infections	HPV Genotypes 18 Nucleic Acid Detection Kit	18 types of HPV including 16, 18, 26, 31, 33, 35, 39, 45, 51, 52, 53, 56, 58, 59, 66, 68, 73 and 82
	Sexually Transmitted Infections Multiplex Nucleic Acid Detection Kit	9 types of STIs including CT, NG, UU, TV, MG, MH, UP, HSVI, HSVII
Encephalitis / Meningitis Infections	Encephalitis and Meningitis 11 Types Pathogens Multiplex Nucleic Acid Detection Kit	11 types of pathogens including E. coli, H. influenzae, L. monocytogenes, N. meningitidis, GBS, GAS, S. pneumoniae, S. aureus, S. suis, MTB, Crypto

*Other test projects are under development and will come soon.

RESULT ANALYSIS



Figure 1: Positive standard amplification curve and result analysis (Respiratory 17)



Figure 2: Negative standard amplification curve and result analysis (Respiratory 17)



Figure 3: Positive standard amplification curve and result analysis (Gastrointestinal 21)



Figure 4: Negative standard amplification curve and result analysis (Gastrointestinal 21)

ORDERING INFORMATION

► Nucleic acid detection kit



- Ready-to-use freeze-dried type
- Multiple pathogens detection in a single run
- Stable at room temperature and cost-effective for transportation
- Anti-contamination design with liquid paraffin preventing evaporation
- High sensitivity and high accuracy

Respiratory Infections

Product Name	Respiratory 7 Types Pathogen Multiplex Nucleic Acid Detection Kit (Fluorescence PCR Method; Freeze-dried)	Respiratory 8 Types Pathogen Multiplex Nucleic Acid Detection Kit (Fluorescence PCR Method; Freeze-dried)	Respiratory 17 Types Pathogen Multiplex Nucleic Acid Detection Kit (Fluorescence PCR Method; Freeze-dried)
Cat.No	P763H	P347H	P764H
Specification	24T/Kit(Freeze-dried)		
Specimen	Oropharyngeal swab		
Sensitivity	200 copies/mL		
Precision	≤5%		
Storage & Validity	2-30°C for 12 months		
Compatible Extraction Kit	T819H-Tianlong Nucleic Acid Extraction Kit (For Viral DNA and RNA)		

Gastrointestinal Infections

Product Name	Gastrointestinal Bacteria Virulence Gene Nucleic Acid Detection Kit (Fluorescence PCR Method; Freeze-dried)	Diarrhea Syndrome 21 Types Pathogens Multiplex Nucleic Acid Detection Kit (Fluorescence PCR Method; Freeze-dried)
Cat.No	P344H	P975H
Specification	24T/Kit(Freeze-dried)	
Specimen	Stool samples, anal swab samples	
Sensitivity	500 copies/mL	
Precision	CV≤5%	
Storage & Validity	2-30°C for 12 months	
Compatible Extraction Kit	T838H-Tianlong Nucleic Acid Extraction Kit (For Enteropathogen DNA and RNA)	

Sexually Transmitted Infections

Product Name	HPV Genotypes 18 Nucleic Acid Detection Kit (Fluorescence PCR Method; Freeze-dried)
Cat.No	P828H
Specification	24T/Kit(Freeze-dried)
Specimen	Female cervical epithelial cells
Sensitivity	500 copies/mL
Precision	CV≤5%
Storage & Validity	2-30°C for 12 months
Compatible Extraction Kit	-