

AutoMolec 3000

Automatic Molecular Diagnostic System





AutoMolec 3000—Fully integrated, Completely automated, Entirely flexible

The AutoMolec3000 is a fully integrated and automated molecular diagnostics analyzer, which integrates nucleic acid extraction and real-time PCR in a single workflow. 41 independent temperature controlling modules ensure true random access. The analyzer makes your COVID-19 assessments accurate, flexible and convenient.

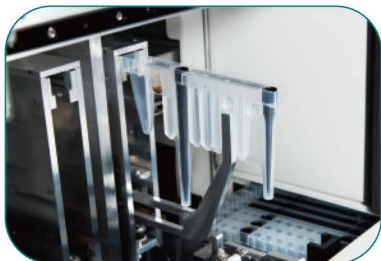
2. Sample inlet

- ※ Random access
- ※ STAT inlet



3. Extraction

- ※ 20 min for first sample
- ※ 1 more sample every 2 min



1. Anti-contamination

- ※ Independent dual air control
- ※ Intelligent UV light
- ※ Triple anti-droplet system in pipetting
- ※ Sealing system in PCR
- ※ Special designed to prevent cross-contamination dropping



4. Reagents and consumables

- ※ 20 slots with 2-8°C cooling
- ※ Supporting 20 test items on-board
- ※ On-the-fly change for reagents and consumables



5. PCR system

- ※ 41 independent control channel
- ※ Supporting both RNA and DNA
- ※ RNA 80 min, DNA 50 min



Working Flow



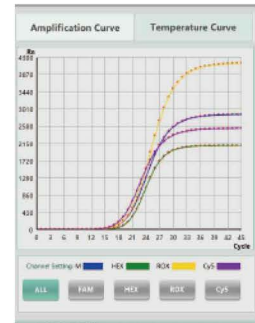
Sample collection and transportation



Original tube on the machine



Automated extraction and amplification



**Time to 1st result : 100 min
LOD : 100 copies/ml**

Specification

Product Name	AutoMolec3000
Sample Loading Capacity	60 samples(circular rotor), priority lane for emergency samples.
Projects Analyzed Simultaneously	No less than 20 items at one time
Kit Slot	20, online order and replacement.
Throughput	30 tests/h
Test Mode	It supports independent temperature control, independent testing, on-call test and sample purification and amplification integrated.
Reagent Temperature	2°C ~8°C
Weight	670 kg
Size	2400 mm×900 mm×1900 mm (L×W×H)



Assay Menu For Molecular Testing

System	Project
Infectious Diseases	HBV Nucleic Acid Diagnostic Kit(PCR-Fluorescence Probing)
	HCV Nucleic Acid Diagnostic Kit(PCR-Fluorescence Probing)
Tumor Marker	High-Risk HPV and 16/18 Genotyping nucleic acid detection (PCR-Fluorescence Probing)
	EB Nucleic Acid Diagnostic Kit(PCR-Fluorescence Probing)
Individualized Therapy	Human CYP2C19 Gene Detection Kit(PCR-Fluorescence Probing)
	Human ALDH2 Gene Detection Kit(PCR-Fluorescence Probing)
	CYP2D6*10, CYP2C9*3, ADRB(1165G>C),ACE(1/D) detection(PCR-Fluorescence Probing)
Women's Health	GBS Nucleic Acid Diagnostic Kit(PCR-Fluorescence Probing)
	HHV-1/2 Nucleic Acid Diagnostic Kit(PCR-Fluorescence Probing)
	Chlamydia Trachomatis/gonococcus/M.urealyticum nucleic acid detection kit (PCR-Fluorescence Probing)
	Hpv (6/11) Nucleic Acid Detection Kit (PCR-Fluorescence Probing)
	HCMV Nucleic Acid Diagnostic Kit(PCR-Fluorescence Probing)
Pathgen in Respiratory Tract	2019-nCoV Nucleic Acid Diagnostic Kit(PCR-Fluorescence Probing)
	Influenza A/Influenza B/RSV Nucleic Acid Diagnostic Kit(PCR-Fluorescence Probing)
	ycoplasma pneumoniae/Chlamydia pneumoniae/adenovirus Nucleic Acid Detection kit (PCR-Fluorescence Probing)
	HPIVS Nucleic Acid Detection Kit (PCR-Fluorescence Probing)
	hMPV Nucleic Acid Detection Kit (PCR-Fluorescence Probing)
	Lower Respiratory Tract Bacteria Detection Series
Gastrointestinal	EV17/CA16/EV Nucleic Acid Diagnostic Kit(PCR-Fluorescence Probing)



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offers more than 400 in vitro diagnostic products including CLIA(microplate based CLIA and magnetic particle based CLIA),ELISA,POCT(Point of Care Test),Microbiology and Biochemistry. As an ISO9001 and EN ISO13485 manufacturer, Autobio supplies high quality products through its well established sales network and is renowned as a reliable partner. For details please visit www.autobio.com.cn

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