

Galaxy

Automated Fully Enclosed qPCR Instrument



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Galaxy

Automated Fully Enclosed qPCR Instrument

[Fully Enclosed | Integrated | Intelligent]

Sample In Result Out



Intelligent
Users only need to load samples into the system, system can recognize sample type and protocol, then receive multiplex qPCR result automatically.

Integrated
Performs nucleic acid extraction, amplification, and detection all in one instrument.

Fully Enclosed
Contamination free, biosafety guaranteed, no need for PCR lab.

Multiplex qPCR Detection
7 colors fluorescent channel for multiplex detection.

Rapid Detection
1-2 hours to get results, shorten turn-around time.

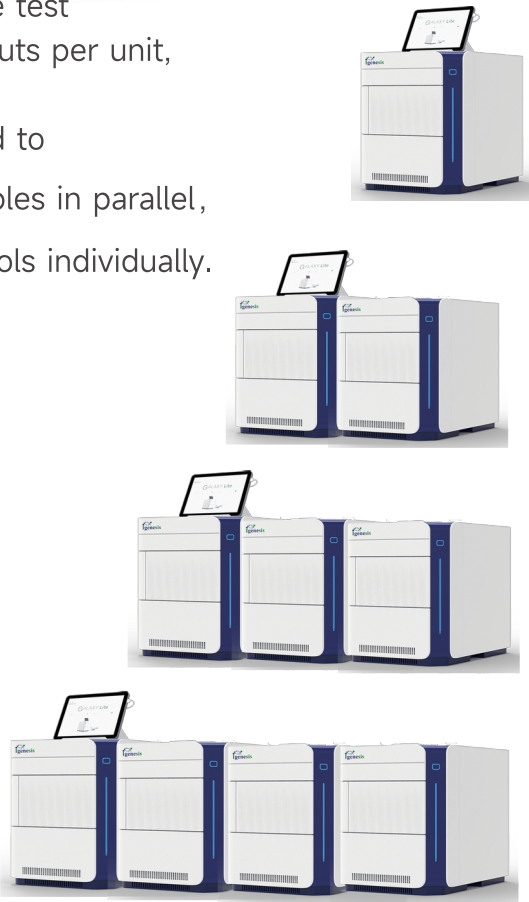
	Galaxy Pro	Galaxy Lite	Galaxy Nano
Heat ramping	6.5°C/s		≥2.5°C/s
Multiplex melting curve analysis	Supported up to 54 plexes		Supported up to 18 plexes
Throughput	1-12 samples	1-6 samples	1 sample
Fluorescent linear	R≥0.99		
Precision	CV≤ 3%		
Size	550*480*400mm	330*400*480mm	175*285*435mm

Fluorescence channel	Channel No.	1	2	3	4	5	6	7
	Excitation Filter	460nm	525nm	543nm	571nm	624nm	675nm	350nm
	Emission Filter	525nm	564nm	584nm	624nm	675nm	710nm	460nm
	Suitable Dyes	FAM	HEX/VIC	TAMRA/NED	ROX/TEXAS RED	CY5	CY5.5	AMCA
	Light Source	white LED						UV LED

Modular and Scalable Configuration

6 sample test
throughputs per unit,

Upgraded to
24 samples in parallel,
4 protocols individually.



12 sample test
throughputs per unit,

Upgraded to
96 samples in parallel,
16 protocols individually.



Core Technology iCassette

Key Patents

Magnetic bead transfer structure and process technology
Material distributed mixing device structure and Technology
Solidphase + microfluidic technology

Ready to use

Fully enclosed
Preloaded reagent
Automated lyophiliz technology



Compactibility

Extract nucleic acids from complex biological samples
(swab, serum, plasma, urine, sputum, saliva, tissue, etc)

Open System

Compatible with third-party PCR kits with more possibilities

Multiplex melting curve analysis

Supported up to 18 plexes (Galaxy Nano)
Supported up to 54 plexes (Galaxy Lite & Pro)

Workflow

Easy | Fast | Safe



Add sample to the iCassette



Insert iCassette to instrument



Report result automatically

Ordering information

Classification	Cat.No.	Product Name	Packaging	Remark
Instrument	101-0022-02	Automated Fully Enclosed qPCR Instrument (Galaxy Nano)	1 unit	1 sample throughput
	101-0038-01	Automated Fully Enclosed qPCR Instrument (Galaxy Lite)	1 unit	6 sample throughputs
	101-0037-01	Automated Fully Enclosed qPCR Instrument (Galaxy Pro)	1 unit	12 sample throughputs
	101-0058-01	Ultrasoner (Galaxy USL III)	1 unit	6 sample throughputs
Universal kit	106-0051-01	Nucleic Acid Extraction and Purification Kit (One in one)	12 tests/kit	up to 18-plexes
	106-0119-01	Nucleic Acid Extraction and Purification Kit (Three in one)	6 tests/kit	up to 54-plexes
Respiratory Infectious Diseases	106-0057-01	SARS-2-CoV (Covid-19)/ Influenza A Virus/ Influenza B Virus/ Respiratory Syncytial Virus Diagnostic Kit	12 tests/kit	5-plexes
	106-0100-01	13 multiplex Respiratory Pathogens Detection Kit	12 tests/kit	13-plexes
	106-0052-01	Influenza A Virus/ Influenza B Virus/ Respiratory Syncytial Virus Diagnostic Kit	12 tests/kit	3-plexes
	106-0056-01	Diagnostic Kit for Mycobacterium Tuberculosis(MTB) complex DNA and Rifampicin resistance Mycobacterium tuberculosis	12 tests/kit	6-plexes
	106-0069-01	Mycoplasma Pneumoniae/ Adenovirus/ Rhinovirus/ Human Metapneumovirus Diagnostic Kit	12 tests/kit	4-plexes
	106-0055-01	Streptococcus Pneumoniae/ Klebsiella Pneumoniae/ Legionella Pneumophila/ Haemophilus influenzae/ Bordetella Pertussis Diagnostic Kit	12 tests/kit	5-plexes
	106-0102-01	Carbapenem Resistance Diagnostic Kit	12 tests/kit	5-plexes
Hospital Acquired Infection (HAI)	106-0142-01	Vancomycin-Resistant Enterococcus Gene (vanA, vanB) Detection Kit	12 tests/kit	3-plexes
	106-0141-01	Staphylococcus aureus and Methicillin-Resistant Staphylococcus aureus Drug-Resistance Gene Detection Kit	12 tests/kit	3-plexes
Intestinal Infectious Diseases	106-0054-01	Coxsackievirus A6/ A10/ A16/ Enterovirus 71 RNA Diagnostic Kit	12 tests/kit	4-plexes
	106-0053-01	Coxsackievirus A16/ Enterovirus 71/ Enterovirus RNA Diagnostic Kit	12 tests/kit	3-plexes
STIs (Sexually Transmitted Infections)	106-0137-01	Chlamydia trachomatis/ Niesseria gonorrhoeae/ Ureaplasma urealyticum Diagnostic Kit	12 tests/kit	3-plexes
	106-0064-01	Nucleic acid detection kit for 16&18 human papillomavirus(HPV) genotypes	12 tests/kit	2-plexes
	106-0062-01	Nucleic Acid Detection Kit for 18 High-risk and Low-risk 6&11 Human Papillomavirus (HPV) Genotypes	6 tests/kit	20-plexes
	106-0066-01	Diagnostic Kit for detecting of 16 high-risk and genotyping of 16&18 human papillomavirus (HPV)	12 tests/kit	5-plexes
Arbovirus Infectious Diseases	106-0044-01	Dengue virus/ Chikungunya virus/ Zika virus Diagnostic Kit	12 tests/kit	3-plexes
	106-0043-01	Dengue Serotyping Diagnostic Kit	12 tests/kit	4-plexes

About Igenesis

Igenesis (Shanghai) Co., Ltd. was founded in 2015. The headquarter is based in Shanghai International Medical Zone, with a R&D and manufacturing center of about 7,000 square meters. In addition, there're a reagent R&D center in Guangzhou and a manufacturing center in Shenzhen. The products are widely sold all over the world. Igenesis has been focusing on the research and development of POCT molecular diagnostic products combining high technology and biotechnology. Based on POCT molecular diagnosis technologies, Igenesis has successfully developed a series of multiple nucleic acid detection products, which can be applied to the fields of microbial detection, genetic detection for personalized medicine, cancer detection, forensic evidence, food safety, etc.

Under the new trend of "Sample in, Result Out" of global molecular diagnosis, Igenesis has become one of the leading providers of automated fully enclosed qPCR systems with strong technical advantages and market competitive ability. Igenesis's innovative POCT molecular diagnostic system provides highly integrated and fully enclosed solutions for qPCR detection. It is widely used in medical institutions, CDCs, forensic centers, etc.



Our Honors

108 issued Patents

Applied for 130 intellectual property rights with 108 issued, including 20 invention patents



5 international PCT

Applied for 5 international PCT, 1 issued in Europe (Italy, UK, Germany, France)



31 issued trademarks

Applied for 57 trademarks with 31 issued



Milestones

