



Sniper DQ-Infinity

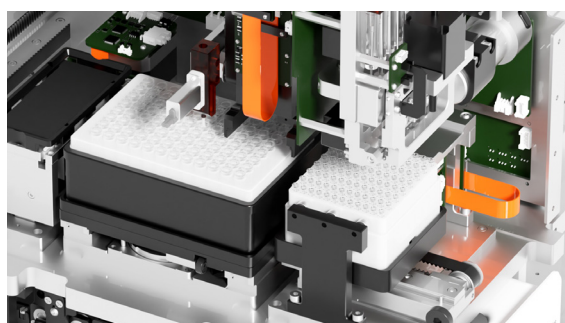
High-throughput Fully Automated Digital PCR Solution

DQ-Infinity High-throughput Fully Automated Digital PCR Solution

Comprehensive Upgrade for Digital PCR: Higher Throughput, Greater Flexibility, Enhanced Accuracy

VibroJect® Vibration Injection Technology

- ◀ Globally exclusive patented technology: Active droplet generation technology ensures uniform droplet volume
- ◀ Editable droplet volume, unaffected by external conditions



Fully Automated Workflow

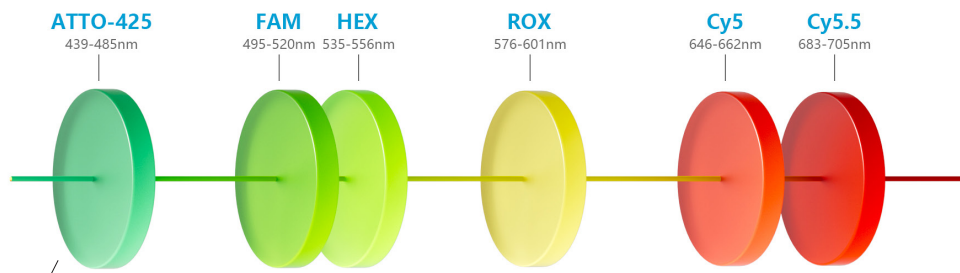
- ◀ Direct compatibility with 8-tube strips and 96-well plates
- ◀ Fully integrated process: sample loading → droplet generation → PCR amplification → fluorescence detection → automated analysis
- ◀ Unattended operation



Continuous Consumable Loading

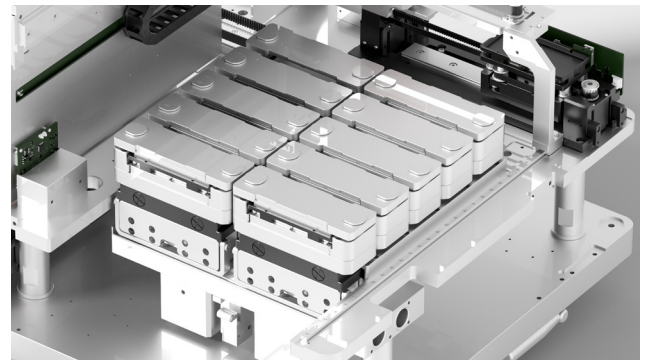
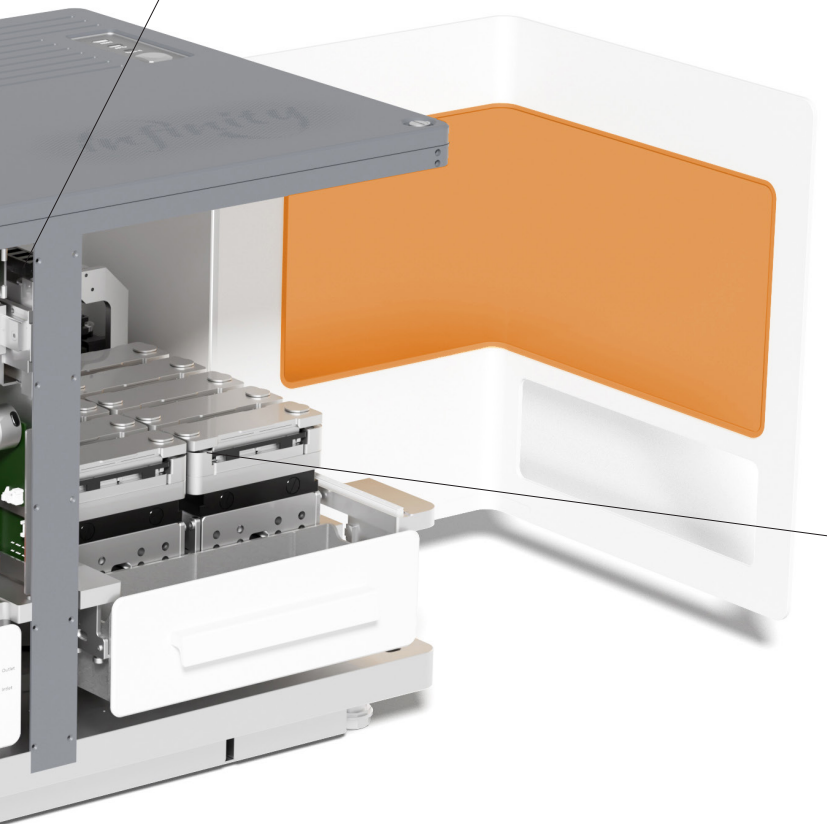
- ◀ Tape-based consumable packaging with automatic loading
- ◀ Ultra-high throughput with continuous sample loading for uninterrupted workflow





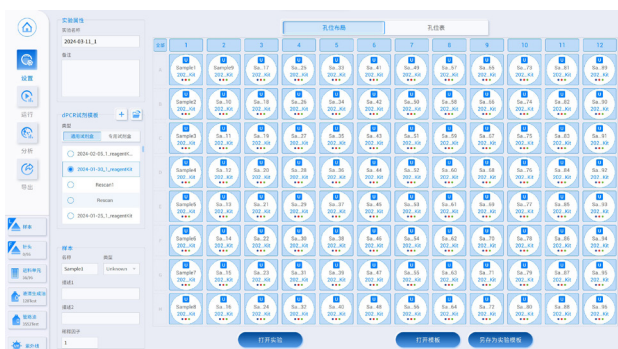
Flexible Multi-Fluorescence Channel Configuration

- ◀ Supports customizable multi-fluorescence channel combinations
- ◀ Compatible with nearly all fluorescent dyes
- ◀ Future-proof design for channel upgrades



Modular Design

- ◀ Multiple independent PCR modules enable concurrent multi-project runs
- ◀ Automated deactivation of failed reaction units without impacting others



Operating Software

- ◀ Customizable workflows for diverse applications
- ◀ Remote data upload capability
- ◀ LIS system integration for data management
- ◀ Complies with 21 CFR Part 11 regulations

Technical Specification

Throughput	Continuous loading mode: 384 samples in a workday
Excitation Light Source	High-performance full-spectrum LED
Channel	Freely combinable multi-filter modules; supports all dyes and future upgrades
Dynamic Range	≥ 5 orders of magnitude
Accuracy	Within $\pm 10\%$
Droplet Volume	Adjustable for diverse applications
Dimension/Weight	620mm×530mm×460mm, 80kg
Detector	COMS
Detection Method	Dye Method, Probe Method, RNA one-step Method

Ordering Information

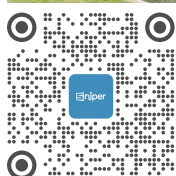
RM008006A	DQ-Infinity High-throughputFully Automated Digital PCR
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About Us

Suzhou Sniper Medical Technology Co., Ltd., established in 2018, is dedicated to providing rapid, sensitive, accurate, and intelligent molecular diagnostic solutions. The company has developed the VibroJect® technology, a globally patented droplet generation method based on next-generation vibration injection technology. This innovation has pioneered a new, chip-free droplet generation pathway, effectively addressing the high costs and complex operations associated with microfluidic technologies in practical applications. It is poised to revolutionize the field of precision medical testing.

Building upon this technology, Sniper Medical Technology has introduced the Sniper DQ Series All-in-one Digital PCR System, which only requires sample loading with an 8-tube strip. The system achieves full automation of the entire experimental process without manual intervention. Its single-test consumable costs are significantly lower compared to similar products, facilitating the widespread adoption of digital PCR technology across various application scenarios.

Currently, Sniper Medical Technology has completed its fourth round of financing, securing hundreds of millions of CNY in capital. The company has established a 6,100 m² research and development center and a 7,900 m² production base, assembling a robust and comprehensive team for instrument and reagent development and production. These efforts provide solutions for life science research, clinical diagnostics, application testing, and the development of new therapies and drugs.



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