



Sniper DQ-Infinity

Fully Automated High-Throughput Digital PCR Solution

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Advanced Digital PCR Revolution - Higher Throughput, More Flexible Applications, More Accurate Results

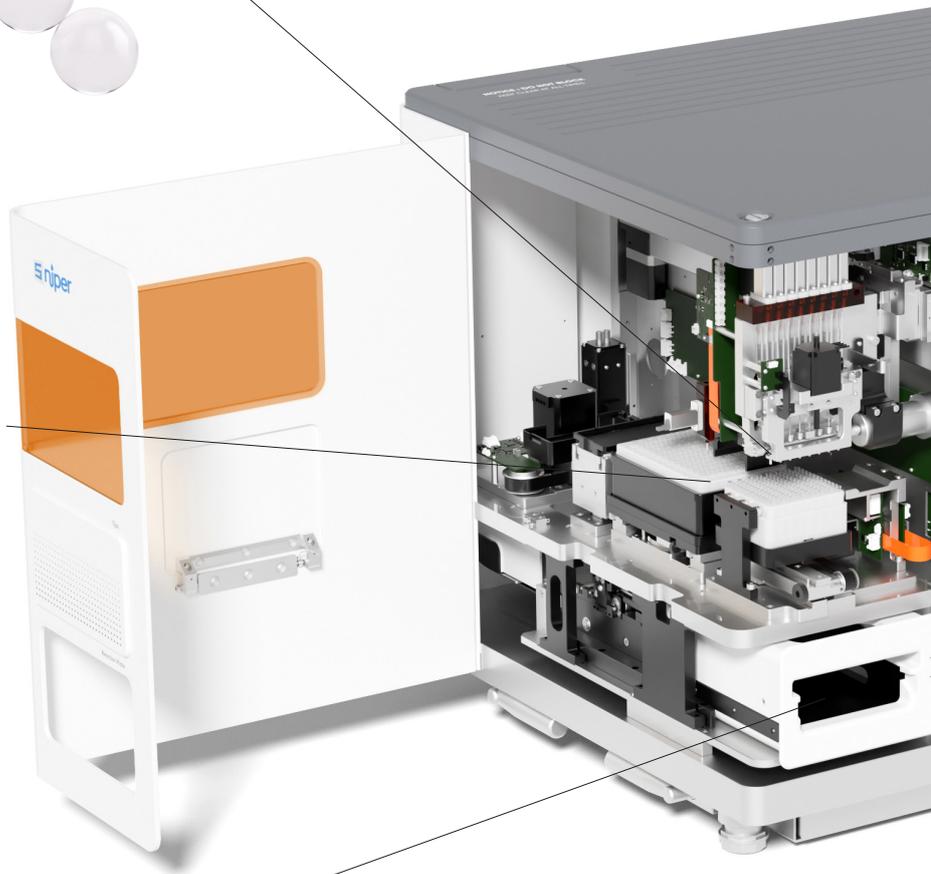
Innovative VibroJect® Technology

- ◀ Global patent in active droplet generation technology ensures uniformity of droplet volume
- ◀ Droplet volume/size is adjustable and is not affected by external conditions



Fully Automated Workflow

- ◀ Supports direct loading of 8-strip tubes/96-well plates
- ◀ Integrated sample loading, droplet generation, PCR amplification, fluorescence detection, and result analysis
- ◀ Unattended operation



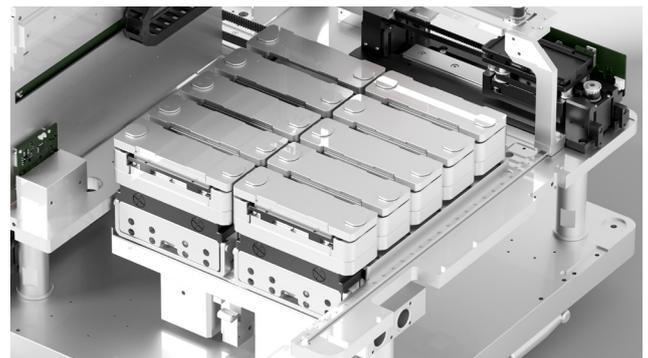
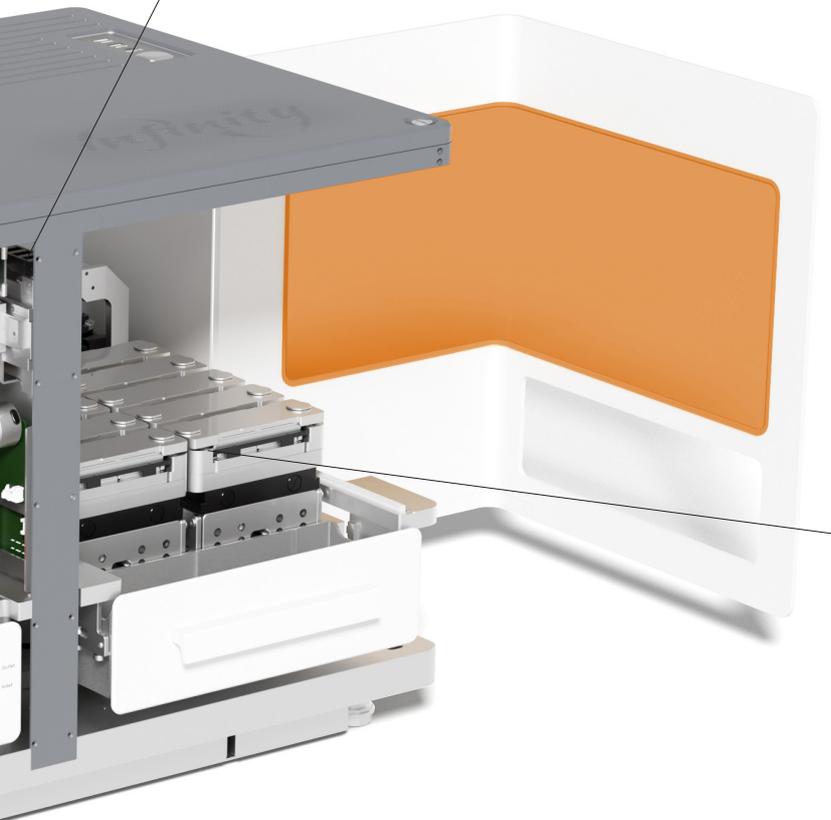
Automatic and Continuous Loading of Consumables and Samples

- ◀ Consumables in roll packaging, automatically loaded by the equipment
- ◀ Extremely high throughput, supports continuous sample loading for non-stop operation



Versatile Multi-Fluorescent Channel Combinations

- ◀ Supports versatile combinations of multiple fluorescent channels, compatible with almost all fluorescent dyes, and supports additional channel upgrades as customer demands



High Throughput Module

- ◀ Multiple independent PCR modules, supports simultaneous running of different projects for time saving



Ideal Software Design

- ◀ Assay-based workflow for various applications
- ◀ Supports remote data uploading
- ◀ Connectable to LIS system for data management
- ◀ Compliant with 21CFR Part11 requirements

Technical Specifications

Detection Throughput	Continuous sample loading mode
Light Source	High-performance full-spectrum LED light source
Detection Channels	Multiple and upgradable filter combinations, compatible with all fluorescent dyes
Dynamic Range	≥ 5 orders
Precision	+/- 10%
Droplet Volume	Adjustable according to different application scenarios
Dimensions/Weight	620mmx530mmX460mm / 80kg
Detector	CMOS
Detection Methods	Dye method / Probe method / RNA one-step detection

Ordering Information

RM008006A	DQ-Infinity Fully Automated High-Throughput Digital PCR
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About Us

Sniper Medical Technologies Co., Ltd. was founded in 2018 with a commitment to providing the industry with rapid, sensitive, accurate, and intelligent diagnostic solutions. The company has developed a droplet generation method with global independent intellectual property rights - Vibroject® technology, which has pioneered a new path for chipless droplet generation technology. This technology completely solves the pain points of high cost and complicated operation of microfluidic technology in practical applications.

Based on this technology, Sniper Medical has launched the world's first Sniper DQ24 digital PCR all-in-one machine, which only requires loading of 8-strip tubes for sample preparation. Not only does it automate the entire experimental process without the need for manual intervention, but its single-test consumable cost is significantly lower compared to similar products, making it poised to promote the landing and popularization of digital PCR technology in various application scenarios.



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