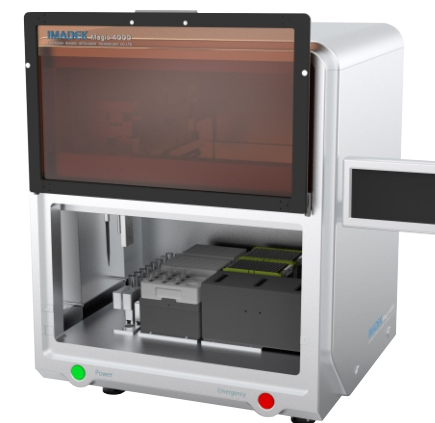


Sample Processing System Magic-4000

Sample Processing System Magic-4000

Product introduction

Magic-4000 can complete code scanning, information entry and pipetting operation with one key, and can complete the construction of sample extraction system and PCR system. The whole process is in a closed negative pressure environment to avoid pollutant leakage.



Fast & accurate

- The pipetting module adopts capacitive sensing and pressure sensing detection to realize precise pipetting.
- The effective pipetting range is 1μL-1000μL, 2uL CV≤5%, 10uL CV≤2.5%, ≥50uL CV≤0.5%;
- The extraction system of 16 samples can be constructed within 300s;
- PCR system construction of 16 samples can be completed within 240s.
- Handle up to 3,500 samples a day, greatly improving the detection throughput and saving manpower and site investment.

Safety protection

- Automatic tip unloading, real-time monitoring of tip loading/unloading, improve the efficiency and reliability of tip unloading;
- Built-in HEPA negative pressure filtration system and ultraviolet disinfection system, the filtration efficiency of 0.3um diameter particles is not less than 99.999%, effectively preventing aerosol pollutant leakage.
- Functions of power-on self-test, condition monitoring, error alarm and so on.

Compatibility

- Compatible with mixed mining mixed inspection mode, support 10 in 1 and 5 in 1 sampling tube sampling
- Compatible with different manufacturers' sample tube .
- Compatible with 10uL, 50uL, 200uL, 1000uL Tip simultaneously on the machine.
- Compatible with a variety of packaging types, can be adapted to 96-well plate, 8 pipe, EP pipe and other carrier;
- Compatible with 16/96 well plate downstream extraction mode.

System Parameter

| | | | |
|---|---|--------|------|
| Instrument model | Magic-4000 | | |
| Sample size | Sixteen samples processed at one time | | |
| Sample tube specification | Compatible with 11-17mm sample tube, other sample tube can be customized | | |
| Sampling channel | 1 channel | | |
| Pipetting performance | Pipetting range: 1-1000uL, 2uL CV≤5%, 10uL CV≤2.5%, ≥50uL CV≤0.5% | | |
| Sampling function | Capacitive and pressure sensing detection, clot detection, suction detection, Tip Tip detection | | |
| Processing speed | The extraction system of 16 samples was constructed within 300s, PCR system construction of 16 samples was completed within 240s. | | |
| throughput | More than 3500 samples can be processed every day | | |
| Equipment size (length, width and height) | 750mm×560mm×810 mm; | Weight | 60KG |
| Operating environment | Temperature: 10 ~ 35°C, humidity: 15% ~ 99% (Relative humidity) ; | | |
| Power | Voltage: 100V-120V/200V-240V AC, frequency: 50/60Hz; | | |
| Anti-pollution system | Built-in HEPA negative pressure filtration system and ultraviolet disinfection system | | |