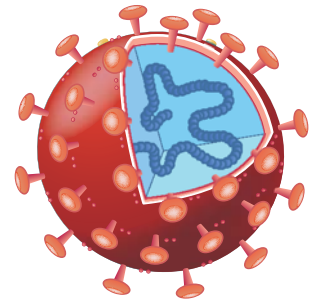


SpiralPipet™ and Viral RNA Purification Kit

Abnova's SpiralPipet™ is a patented spiral-mix, magnetic bead handling system for high throughput nucleic acid extraction. SpiralPipet™ can use Viral RNA Purification Kit to automate the extraction of COVID-19 viral RNA.

Combining 96 deep well plate with affinity conjugated magnetic beads, SpiralPipet™ easily handles 8 different assays simultaneously by transferring beads from one well to the next for spiral-mixing, binding, washing and elution reactions via the robotic action of parallel magnetic rods. The Viral RNA Purification Kit is designed to extract viral RNA in clinical samples. The extracted RNA can be further analyzed in downstream applications for clinical research and diagnostics.



SpiralPipet™



Bioreagent

- Viral RNA Purification Kit (Pre-filled) (Catalog #: KA5519)

Accessory

- 96 Deep Well Plate (Polypropylene) (Catalog #: U0383)
- Spin Tip (Catalog #: U0384)

Advantages

- 8 Channel open platform for magnetic bead assays
- High efficiency spiral instead of vertical mixing
- Avoid aerosolized cross-contamination
- Automated, portable solution for easy operation
- Patented technology with multitude of applications

Features



Fully Automated

- Eliminate human errors
- Ensure quality
- Limit sample pretreatment



Easy Operation

- Intuitive user interface and easy menu navigation
- User-specified parameter settings
- Data exchange via USB connected with laptop



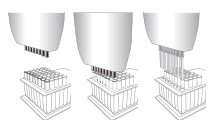
Spiral-Mixing Technology

- Process up to 1,500 uL volume
- Enhance mixing efficiency
- Avoid aerosolized cross-contamination



High Efficiency

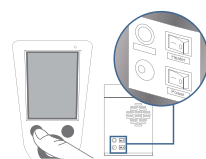
- Spiral-mixing saves processing time and effort
- Spiral tips stir magnetic beads at speed 500 – 3,000 rpm
- 2,500 gauss magnetic rods efficiently collect magnetic beads



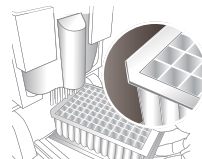
1 Mount the spiral tip



2 Connect SpiralPipet™ and Autostage via connection cable



3 Turn on SpiralPipet™ and Autostage sequentially



4 Place reagent kits on the plate holder properly



5 Select "Guide" and program by pressing "Enter Key"



6 A "Check" mark appears on the screen when completed

Specifications

SpiralPipet™	
Dimensions:	32.7cm(h) x 6.3cm(d) x 11.2cm(w)
Weight:	600 g
Power:	5 V, 2 A
Battery:	3.7 V, 2,850 mAh
Charging Plug:	Micro-USB
Processing Volume:	50 µL - 1,500 µL
Magnetic Rod:	Ø2.0 mm, 2,500 gauss
Spin Speed:	500 - 3,000 rpm

Autostage	
Dimensions:	31.0cm(h) x 30.5cm(d) x 19.0cm(w)
Weight:	8.33 kg
Power:	19 V, 6.32 A, 120 W
Heater:	1 heated plate