



PCKIT Central

Fully Integrated Platform with Automated Nucleic Acid Extraction, Liquid Handling and PCR Systems

PCKIT Central* offers a cost effective sample-in-answer-out nucleic acid testing system by integrating magnetic bead-based nucleic acid purification, robotic arm liquid handling, and insulated isothermal PCR (iiPCR) technologies to offer a fully automatic molecular detection platform.

Cost effective

- Minimal hands-on time
- Better workflow management
- Walk-away testing protocols
- STAT-Increasing productivity

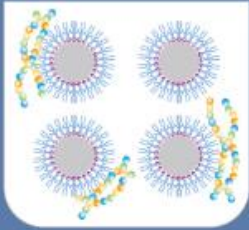
Easy to use

- Minimal dexterity required
- Universal pre-programmed protocols
- User-friendly touch screen
- Preloaded ready-to-use cartridges
- Direct display of test results

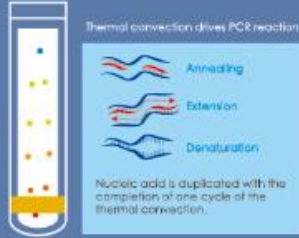
Reliable

- Proven iiPCR technology
- Built-in UV lamp for decontamination
- Precise liquid handling
- Minimal human error and maintenance cost

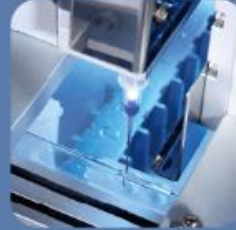
Features



- Magnetic bead-based nucleic acid extraction



- iPCR technologies with two optical channels



- Precise liquid handling



- Flexible multi testing protocol within a run



- Preloaded ready-to-use cartridges



- Built-in UV lamp for decontamination



- Barcode scanning & printing available

Reaction Overview						Operator: SCOTT	Report No: 201808170853
Sample ID	Extraction Lot No.	Reagent Lot No.	Target	S20	S50		
A	TEST 1	0206185	DENVCO301185	DENV	+	+	
B	TEST 2	0206185	DENVCO301185	DENV	-	+	
C	TEST 3	0206185	DENVCO301185	DENV	?	+	
D	TEST 4	0206185	NOROA0307183	None	!		
E	TEST 5	0206185	NOROA0307183	None	-		
F	TEST 6	0206185	CDFA0307183	C.diff	-		
G	TEST 7	0206185	CDFA0307183	C.diff	-		
H	TEST 8	0206185	CDFA0307183	C.diff	+		

UV Treatment Is Completed Save to USB End

- Direct result display

Specifications

Dimensions (W x D x H)	31 x 48 x 40 cm
Weight	Approx. 21 kg
Throughput	1 - 8 samples
Reaction Time	85 minutes
Detection Wavelength	520 nm & 550 nm
Monitor	LCD touch control panel
Data Storage	8 Gb of internal storage
Power Supply	100 - 120/ 200 - 240 V AC, 50/60 Hz, 2A
USB Port	3 type-A ports (1 front , 2 rear)

Detection Targets*

Gastrointestinal Diseases

C. difficile Infection
Norovirus Infection

Respiratory Diseases

Influenza (IFV A/B virus)
Middle East Respiratory Syndrome (MERS-CoV)
Mycoplasma pneumoniae Infection
Tuberculosis

Vector-borne Diseases

Chagas Disease (*Trypanosoma cruzi*)
Chikungunya
Dengue Fever ^{CE/IVD}
Filariasis (*Brugia* spp./*Wuchereria bancrofti*)
Yellow Fever
Zika Virus Disease

Parasitic Diseases

Chagas Disease (*Trypanosoma cruzi*)
Leishmaniasis
Leptospirosis

Other Diseases

Ebola Virus Disease

*Not FDA cleared or approved yet.