FlashDetect™

Robo is compatible with
Coyote® FlashDetect™
All-in-One cartridge

LyocartD   LyocartE

COYOTE®
FlashDetect™ Robo

Fully Automated High Throughput Rapid PCR Solution

COYOTE

N M P A

Fully Automated
Near-patient Testing System

- Result in **10~35 minutes**
- Easy to operate
- Random access
- **High throughput: up to 2300 tests/day**
- Fully automatic lab process of sample loading, magnetic beads sample prep and qPCR

All-in-One Cartridge
Multiple targets testing

- **LoD 100 copies/mL***
- Includes internal control
- Pre-loaded with lyophilized reagents
- **Contamination-free**
- Room temperature storage and transportation

* for SARS-CoV-2 sample

COYOTE

TECHNICAL SPECIFICATIONS

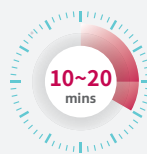|	
Model	FlashDetect Robo-16 / FlashDetect Robo-32
Hands-on Time	Less than 1 minute / sample
Time to Results	16/32 samples in 10 ~ 35 minutes 2300 results in 24 hours
Throughput	16/32 random-access modules
Walk-Away Capacity	16/32 loaded in modules, 32 queued
Fluorescence Channel	FAM / HEX / ROX / CY5
Consumables	Coyote ready-to-use All-in-One cartridges
Data Input	External / Internal barcode scanning / Manual input
Display	21.5" touch screen, stand alone or operation with PC
Operating Temperature	10℃ ~ 40℃
Temperature Accuracy	< 0.5℃
Connectivity	Ethernet, USB
LIS System Connectivity	HL7 protocol or customized protocol
Power Supply	220~230V AC, 3000VA (Robo-16), 4500VA(Robo-32)
Dimensions	176 (L) * 96 (W) * 189 (H) cm
Weight	916 kg (Robo-16) / 980 kg (Robo-32)

WORKFLOW

Option 1 Sampling via direct swab

SPEC.A

Option 2 Sampling via VTM

SPEC.B

Sample-in

LyocartD

10~20 mins

10~20 mins with direct PCR.
Optimal sensitivity with Coyote own-brand VTM.
(**LoD 200 copies/mL** for SARS-CoV-2 test)

LyocartE

≤35 mins

Less than 35 mins with whole process of sample purification and real time PCR.
Compatible with universal VTM.
(**LoD 100 copies/mL** for SARS-CoV-2 test)

COYOTE
Molecular Diagnostics For Everyone