

### FlashDetect™

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



LyocartD

LyocartE



# COYOTE® FlashDetect™ Robo

Fully Automated High Throughput Rapid PCR Solution

## Fully Automated Near-patient Testing System

- Result in **20~25 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

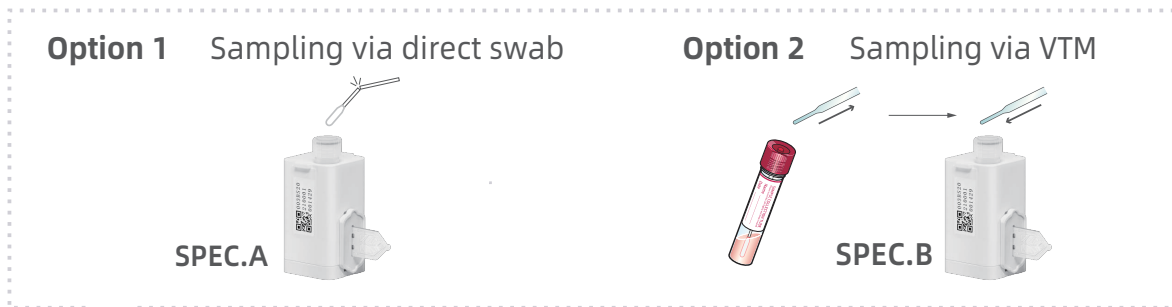
## NMPA

# TECHNICAL SPECIFICATIONS


<b>Model</b>	FlashDetect Robo-16 / FlashDetect Robo-32			
<b>Hands-on Time</b>	Less than 1 minute / sample			
<b>Time to Results</b>	16/32 samples in less than 25 minutes 2300 results in 24 hours			
<b>Throughput</b>	16/32 random-access modules			
<b>Walk-Away Capacity</b>	16/32 loaded in modules, 32 queued			
<b>Fluorescence Channel</b>	FAM	HEX	ROX	CY5
<b>Consumables</b>	Coyote ready-to-use All-in-One cartridges			
<b>Data Input</b>	External / Internal barcode scanning / Manual input			
<b>Display</b>	21.5" touch screen, stand alone or operation with PC			
<b>Operating Temperature</b>	10°C - 40°C			
<b>Temperature Accuracy</b>	< 0.5°C			
<b>Connectivity</b>	Ethernet, USB			
<b>LIS System Connectivity</b>	HL7 protocol or customized protocol			
<b>Power Supply</b>	220~230V AC, 3000VA (Robo-16), 4500VA(Robo-32)			
<b>Dimensions</b>	176 (L) * 96 (W) * 189 (H) cm			
<b>Weight</b>	916 kg (Robo-16) / 980 kg (Robo-32)			

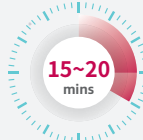


# WORKFLOW




Sample-in






**LyocartD**  
15~20 mins with direct PCR.  
Optimal sensitivity with Coyote own-brand VTM.  
(LoD 200 copies/mL for SARS-CoV-2 test)



**LyocartE**  
Less than 25 mins with whole process of sample purification and real time PCR.  
Compatible with universal VTM.  
(LoD 100 copies/mL for SARS-CoV-2 test)

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**COYOTE**  
Molecular Diagnostics For Everyone