

FlashDetect™

These products are compatible with COYOTE® FlashDetect™ Systems: Nano, Flash10, Flash20.



COYOTE® FlashDetect™

Syndromic respiratory testing solution provides precise and onsite diagnosis of major respiratory infections: viral (SARS-CoV-2, influenza virus, respiratory syncytial virus) and bacterial (group A *Streptococcus*).

LyocartD 

SARS-CoV-2

SARS-CoV-2&Flu A&Flu B

Flu A&Flu B&RSV

Strep A

LyocartE 

SARS-CoV-2

SARS-CoV-2&Flu A&Flu B

Flu A&Flu B&RSV

RSV&MP&ADV

**All-in-One Cartridge
Sample to Result**

- **Multiplex test in one reaction**
- **20~30 mins** sample to result
- **LoD 100 copies/mL***
- Includes internal control
- Pre-loaded with lyophilized reagents
- Contamination-free
- Room temperature storage and transportation

**Fully Automated
Fast PCR Testing System**

- **Fully Automated:** sample prep + amplification + detection
- **Random Access:** independent modules for on-demand testing
- **Fully Enclosed System:** minimize risk of contamination
- **Easy to Use:** reduce hands-on time and operational cost
- **Small Footprint**

* Assays specific

TECHNICAL SPECIFICATIONS

FlashDetect™ LyocartD SARS-CoV-2 Assay



Method	Real-Time PCR		
Analytes	SARS-CoV-2 (ORF1ab gene), SARS-CoV-2 (N gene), Internal Control (RNase P gene)		
Fluorescence Channel	FAM	ROX	HEX (or VIC)
	ORF1ab gene	N gene	RNase P gene
LoD	200 copies/mL		
Detection Time	Nano	Flash10	Flash20
	20 mins	20 mins	30 mins
Sample Type	Nasal, Nasopharyngeal or Oropharyngeal swabs		
Compatible Instrument	FlashDetect™ Nano, Flash10, Flash20		
Storage Temperature	2-28 °C		



FlashDetect™ LyocartD SARS-CoV-2&Flu A&Flu B Assay



Method	Real-Time PCR			
Analytes	SARS-CoV-2 (ORF1ab gene, N gene), Influenza A (Flu A), Influenza B (Flu B), Internal Control (RNase P gene)			
Fluorescence Channel	FAM	HEX	ROX	CY5
	Flu A	Flu B	SARS-CoV-2	RNase P gene
LoD	200 copies/mL(SARS-CoV-2); 500 copies/mL(FluA/FluB)			
Detection Time	Nano	Flash10	Flash20	
	20 mins	20 mins	30 mins	
Sample Type	Nasal, Nasopharyngeal or Oropharyngeal swabs			
Compatible Instrument	FlashDetect™ Nano, Flash10, Flash20			
Storage Temperature	2-28 C			



FlashDetect™ LyocartD Flu A&Flu B&RSV Assay



Method	Real-Time PCR			
Analytes	Influenza A (Flu A), Influenza B (Flu B), Respiratory Syncytial Virus (RSV), Internal Control (RNase P gene)			
Fluorescence Channel	FAM	ROX	HEX	CY5
	Influenza A	Influenza B	RSV	RNase P gene
LoD	500 copies/mL			
Detection Time	Nano	Flash10	Flash20	
	20 mins	20 mins	30 mins	
Sample Type	Nasopharyngeal or Oropharyngeal swabs			
Compatible Instrument	FlashDetect™ Nano, Flash10, Flash20			
Storage Temperature	2-28 C			



FlashDetect™ LyocartD Strep A Assay



Method	Real-Time PCR		
Analytes	Group A <i>Streptococcus</i> (Strep A), Internal Control (RNase P gene)		
Fluorescence Channel	FAM	ROX	
	Strep A	RNase P gene	
LoD	500 copies/mL		
Detection Time	Nano	Flash10	Flash20
	20 mins	20 mins	30 mins
Sample Type	Oropharyngeal swabs		
Compatible Instrument	FlashDetect™ Nano, Flash10, Flash20		
Storage Temperature	2-28 °C		



FlashDetect™ LyocartE SARS-CoV-2 Assay



Method	Real-Time PCR All-in-one cartridge integrates sample loading, magnetic beads sample prep and PCR amplification.		
Analytes	SARS-CoV-2 (ORF1ab gene), SARS-CoV-2 (N gene), Internal Control (RNase P gene)		
Fluorescence Channel	FAM	ROX	HEX (or VIC)
	ORF1ab gene	N gene	RNase P gene
LoD	100 copies/mL		
Detection Time	Less than 25 minutes		
Sample Type	Nasal, Nasopharyngeal or Oropharyngeal swabs		
Compatible Instrument	FlashDetect™ Nano, Flash10		
Storage Temperature	2-28 °C		



FlashDetect™ LyocartE SARS-CoV-2&Flu A&Flu B Assay



Method	Real-Time PCR All-in-one cartridge integrates sample loading, magnetic beads sample prep and PCR amplification.			
Analytes	SARS-CoV-2 (ORF1ab gene, N gene), Influenza A (Flu A), Influenza B (Flu B), Internal Control (RNase P gene)			
Fluorescence Channel	FAM	HEX	ROX	CY5
	Flu A	Flu B	SARS-CoV-2	RNase P gene
LoD	100 copies/mL(SARS-CoV-2); 500 copies/mL(FluA/FluB)			
Detection Time	Less than 25 minutes			
Sample Type	Nasal, Nasopharyngeal or Oropharyngeal swabs			
Compatible Instrument	FlashDetect™ Nano, Flash10			
Storage Temperature	2-28 °C			



FlashDetect™ LyocartE FluA&FluB&RSV Assay



Method	Real-Time PCR All-in-one cartridge integrates sample loading, magnetic beads sample prep and PCR amplification.			
Analytes	Influenza A (Flu A), Influenza B (Flu B), Respiratory Syncytial Virus (RSV), Internal Control (RNase P gene)			
Fluorescence Channel	FAM	ROX	HEX	CY5
	Influenza A	Influenza B	RSV	RNase P gene
LoD	500 copies/mL			
Detection Time	Less than 25 minutes			
Sample Type	Nasopharyngeal or Oropharyngeal swabs			
Compatible Instrument	FlashDetect™ Nano, Flash10			
Storage Temperature	2-28 °C			



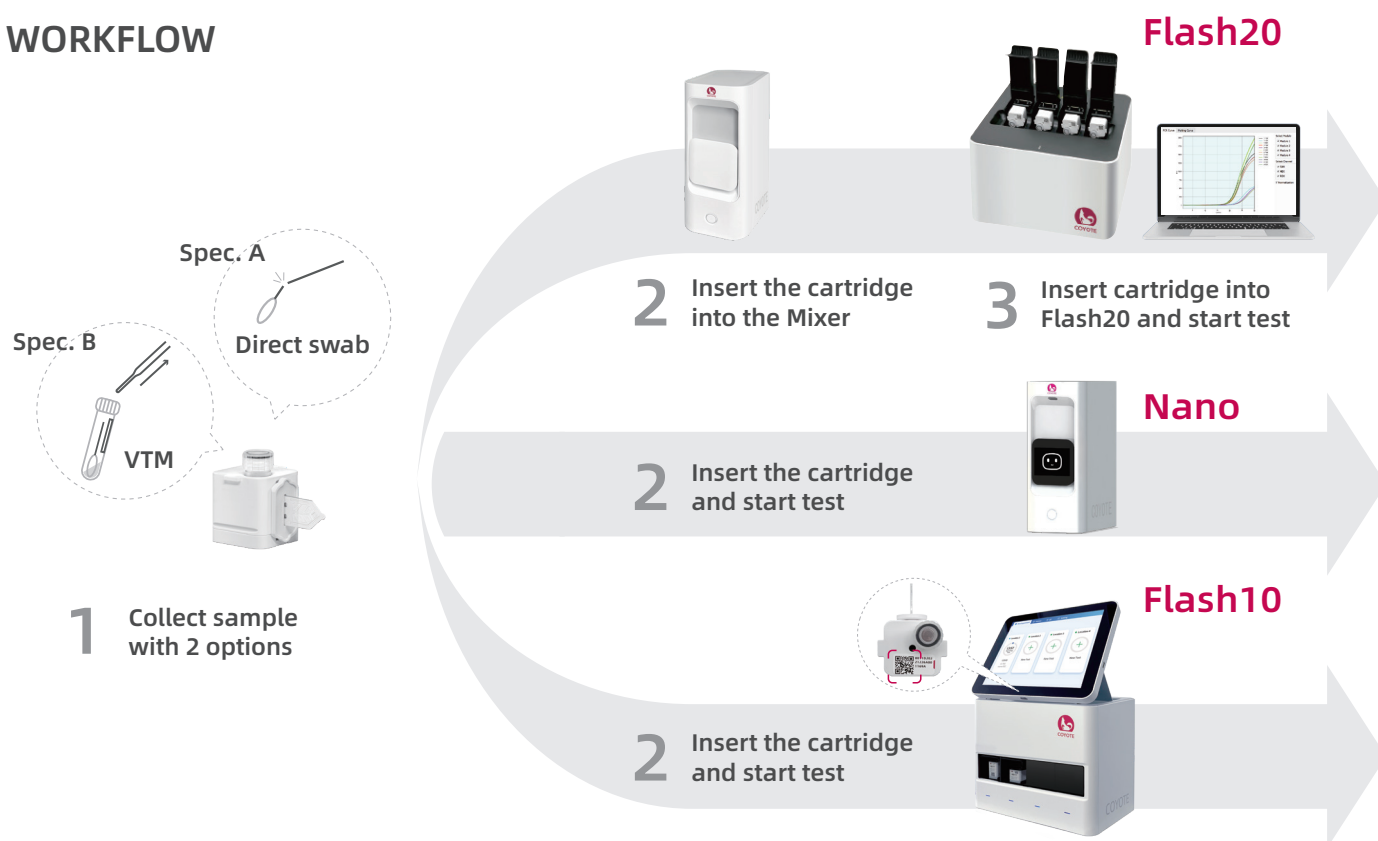
FlashDetect™ LyocartE RSV&MP&ADV Assay



Method	Real-Time PCR All-in-one cartridge integrates sample loading, magnetic beads sample prep and PCR amplification.			
Analytes	Respiratory Syncytial Virus (RSV), Mycoplasma Pneumoniae (MP), Adenovirus (ADV), Internal Control (RNase P gene)			
Fluorescence Channel	FAM	ROX	HEX	CY5
	MP	ADV	RSV	RNase P gene
LoD	200 copies/mL			
Detection Time	Less than 25 minutes			
Sample Type	Nasopharyngeal or Oropharyngeal swabs			
Compatible Instrument	FlashDetect™ Nano, Flash10			
Storage Temperature	2-28 °C			



WORKFLOW



ORDERING INFORMATION

Compatible Instrument

Model	Throughput	Dimensions (L x W x H)
FlashDetect™ Nano	1	12.5 x 22 x 29.5 cm
FlashDetect™ Flash10	4	38 x 28.7 x 35 cm
FlashDetect™ Flash20	4	30 x 30 x 20 cm

Cartridge

Product	Version	Sampling Method	Pack Size	Catalog #
FlashDetect™ LyocartD SARS-CoV-2 Assay	SPEC. A	via direct swab	24 tests	6018006402-CE
	SPEC. B	via VTM	24 tests	6018006405-CE
FlashDetect™ LyocartD SARS-CoV-2&Flu A&Flu B Assay	SPEC. A	via direct swab	24 tests	6018006802-CE
	SPEC. B	via VTM	24 tests	6018006805-CE
FlashDetect™ LyocartD Flu A&Flu B&RSV Assay	SPEC. A	via direct swab	24 tests	6018011502-CE
	SPEC. B	via VTM	24 tests	6018011505-CE
FlashDetect™ LyocartD Strep A Assay	SPEC. A	via direct swab	24 tests	6018021802-CE
	SPEC. B	via VTM	24 tests	6018021805-CE

Product	Version	Sampling Method	Pack Size	Catalog #
FlashDetect™ LyocartE SARS-CoV-2 Assay	SPEC. A	via direct swab	24 tests	6018007102-CE
	SPEC. B	via VTM	24 tests	6018007105-CE
FlashDetect™ LyocartE SARS-CoV-2&Flu A&Flu B Assay	SPEC. A	via direct swab	24 tests	6018007202-CE
	SPEC. B	via VTM	24 tests	6018007205-CE
FlashDetect™ LyocartE FluA&FluB&RSV Assay	SPEC. A	via direct swab	24 tests	6018011602-CE
	SPEC. B	via VTM	24 tests	6018011605-CE
FlashDetect™ LyocartE RSV&MP&ADV Assay (RUO)	SPEC. A	via direct swab	24 tests	6018026302
	SPEC. B	via VTM	24 tests	6018026305

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