COYOTE

FlashDetect™ Respiratory Infections

Compatible with FlashDetect™
Nano, Flash10 and Flash20





LyocartD LyocartE

Syndromic molecular respiratory panel offering rapid, onsite detection of key respiratory pathogens with a flexible menu of targeted multiplex assays.
Designed for clinical decision-making at the point of care, the assay series covers a wide range of common and critical infections, including:

CE IVD

SARS-CoV-2&Flu A&Flu B&RSV

RSV&MP&ADV

HMPV/HPIV/HRV

Strep A

SARS-CoV-2&Flu A&Flu B

SARS-CoV-2

Flu A&Flu B&RSV

All-in-One Cartridge
Sample to Result

- **Multiplex test in one reaction**
- **18~36 mins** sample to result
- **LoD 100 copies/mL***
- Includes internal control
- Pre-loaded with lyophilized reagents
- Contamination-free
- Room temperature storage and transportation

* Assays specific

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TECHNICAL SPECIFICATIONS

CE IVD

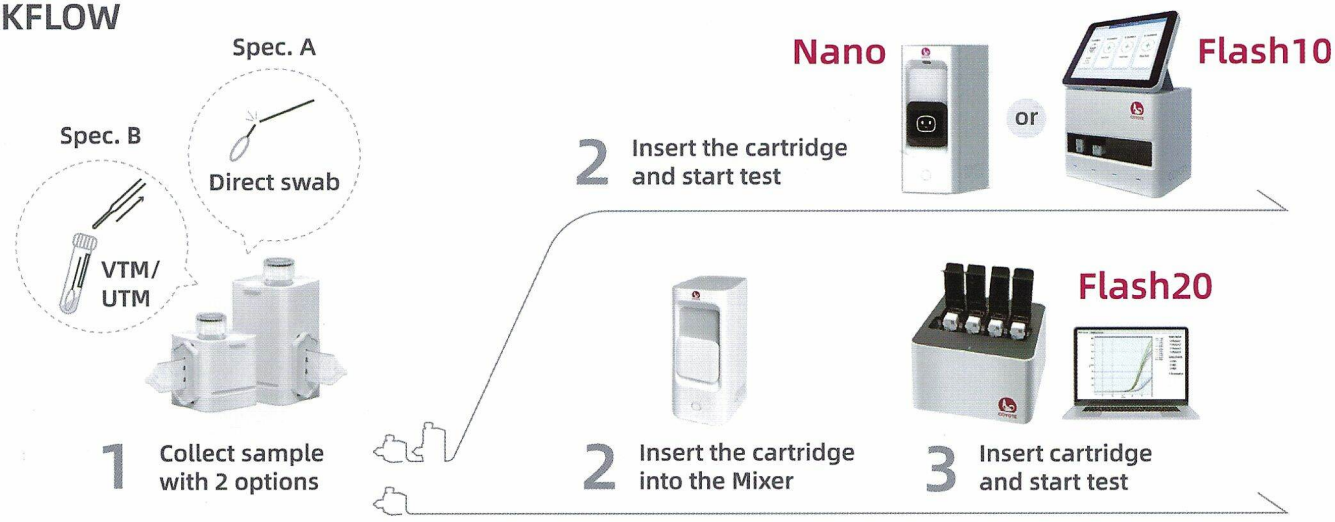
Method	Real-Time PCR
Compatible Instrument	LyocartD: FlashDetect™ Nano, Flash10 and Flash20
	LyocartE: FlashDetect™ Nano, Flash10
Storage Temperature	2-28℃
Pack Size	24 tests/kit

Product	Format*1	LoD	Detection Time	Analytes & Fluorescence Channel	Sample Type	Cat. No.*2
SARS-CoV-2& Flu A&Flu B&RSV	LyocartD	200 copies/mL (SARS-CoV-2, RSV) 500 copies/mL (FluA/FluB)	Within 36 mins	**FAM:** *M* gene (Flu A), *NS* gene (Flu B) **HEX:** *ORF1ab* and *N* gene (SARS-CoV-2) **ROX:** *N* gene (RSV) **Cy5:** *Actin* gene (Internal Control)	Nasal, Nasopharyngeal, Oropharyngeal swabs	SPEC. A (6018031802-CE) SPEC. B (6018031805-CE)
SARS-CoV-2	LyocartD	200 copies/mL	18 - 26 mins	**FAM:** *ORF1ab gene* **ROX:** *N* gene **HEX :** *RNase P* gene (Internal Control)	Nasal, Nasopharyngeal, Oropharyngeal swabs	SPEC. A (6018006402-CE) SPEC. B (6018006405-CE)
	LyocartE	100 copies/mL	25 mins			SPEC. A (6018007102-CE) SPEC. B (6018007105-CE)
SARS-CoV-2& Flu A&Flu B	LyocartD	200 copies/mL (SARS-CoV-2); 500 copies/mL (FluA/FluB)	18 - 30 mins	**FAM:** *M* gene (Flu A) **HEX:** *NS1* gene (Flu B) **ROX:** *ORF1ab* & *N* gene (SARS-CoV-2) **Cy5:** *RNase P* gene (Internal Control)	Nasal, Nasopharyngeal, Oropharyngeal swabs	SPEC. A (6018006802-CE) SPEC. B (6018006805-CE)
	LyocartE	100 copies/mL (SARS-CoV-2); 500 copies/mL (FluA/FluB)	Within 30 mins	**FAM:** *M* gene (Flu A) **HEX:** *NS1* gene (Flu B) **ROX:** *ORF1ab* & *N* gene (SARS-CoV-2) **Cy5:** *Actin* gene (Internal Control)		SPEC. A (6018007202-CE) SPEC. B (6018007205-CE)
Flu A&Flu B&RSV	LyocartD	500 copies/mL	20 - 35 mins	**FAM:** *M2* gene (Flu A) **HEX:** *N* gene (RSV) **ROX:** *NEP, NS1* gene (Flu B) **Cy5:** *RNase P* gene (Internal Control)	Nasopharyngeal or oropharyngeal swabs	SPEC. A (6018011502-CE) SPEC. B (6018011505-CE)
	LyocartE	500 copies/mL				SPEC. A (6018011602-CE) SPEC. B (6018011605-CE)
RSV&MP&ADV	LyocartE	500 copies/mL	25 mins	**FAM:** *P1* gene (MP) **HEX:** *N* gene (RSV) **ROX:** *E2B* gene (ADV) **Cy5:** *Actin* gene (Internal Control)	Oropharyngeal swabs	SPEC. A (6018026302-CE) SPEC. B (6018026305-CE)
HMPV/HPIV/HRV	LyocartE	500 copies/mL	Within 35 mins	**FAM:** *VP4/VP2* gene (HRV) **HEX:** *N* gene (HMPV) **ROX:** *P* gene (HPIV) **Cy5:** *Actin* gene (Internal Control)	Oropharyngeal swabs	SPEC. A (6018032802-CE) SPEC. B (6018032805-CE)
Strep A (Sonicator needed)	LyocartE	500 copies/mL	30 mins	**FAM:** *insk* gene (Strep A) **Cy5:** *RNase P* gene (Internal Control)	Oropharyngeal swabs	SPEC. B (6018021905-CE)

*1 LyocartD : Without nucleic acid extraction
LyocartE : With nucleic acid extraction

*2 SPEC. A: Sample buffer in sample chamber, sampling via direct swab
SPEC. B: No sample buffer in sample chamber, sampling via VTM

WORKFLOW



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Molecular Diagnostics For Everyone