

Intended use

The FLASH VetID™ test for respiratory swab samples is a single-target nucleic acid test intended for use with the FLASH Base™ system for the qualitative detection of nucleic acids sequences from the target pathogen in oropharyngeal, nasal, and conjunctival swabs. A positive result indicates the presence of the target pathogen nucleic acids in the sample. A positive result do not rule out co-infection with other bacteria, protozoa, or virus. Clinical correlation with medical history and other diagnostic information is necessary to determine infection status. The agent detected may not be the definite cause of the disease. A negative result does not preclude the target pathogen infection and should not be used as the sole basis for treatment or other patient management decisions. A negative result must be combined with clinical signs and patient history. The FLASH VetID™ test is intended to be performed by qualified users in veterinary clinics and hospitals.

Test principle

The FLASH VetID™ test for respiratory swab samples is a molecular in vitro test for the qualitative detection of nucleic acids from the target pathogen in oropharyngeal, nasal, and conjunctival swabs. The assay uses proprietary patented isothermal nucleic acid amplification technology, enabling rapid and sensitive detection without the need for thermal cycling. The procedure integrates sample preparation, lysis, and amplification into a streamlined workflow using the SampleDirect cartridge and the test cartridge. The SampleDirect cartridge processes the sample to remove interferences and enrich target nucleic acids. The processed sample is then combined with lyophilized amplification reagents contained in the test cartridge, which includes enzymes, primers, and probes. The test cartridge is placed into the FLASH Base™ device, which automatically maintains the required reaction temperature for a set duration. After the reaction is complete, the user presses the upper section of the test cartridge into the cartridge body, releasing the reacted sample onto an integrated lateral flow strip. The strip develops within minutes: two bands (control and test) indicate a positive result, and one band (control) indicates a negative result.

Materials provided

- 5 pouches ("Bag A") containing each: 1 SampleDirect cartridge and 1 plunger
- 5 pouches ("Bag B") containing each: 1 test cartridge and 1 small disposable pipette
- 1 Reagent T tube
- 5 sample tubes with dropper cap
- 17 sterile swabs
- 5 biohazard waste bags






Storage and handling

Store all the components of the test kit between 4°C and 25°C. Refer to the label on the test kit box for expiry date.

Warnings and precautions

1. **For veterinary in vitro use only.**
2. For professional use only. The final diagnosis should be made by a licensed veterinarian, considering other test results and clinical findings.
3. Single-use only. Do not reuse test cartridges, SampleDirect cartridges, plungers, sample tubes, pipettes, or swabs.
4. Do not use if any component is damaged, leaked, or past its expiration date.
5. Handle all animal samples as potentially infectious.
6. Wear gloves when handling animal samples.
7. Do not use a different disposable pipettes than the ones provided in the kit.
8. Dispose of all used materials as biohazard waste according to local regulations.
9. Avoid cross-contamination by using a separate set of single-use components for each sample, and working in a clean, dedicated area for sample handling.
10. Keep cartridges sealed until use. Do not remove the safety clip or press the cartridge until the instructed step in the procedure.
11. Do not expose cartridges or reagents to moisture, extreme temperatures, or direct sunlight.
12. Do not touch the internal parts of the cartridge.
13. Test promptly after loading the sample into the test cartridge. Delays may affect performance.
14. Improper handling during transport, storage, or use may reduce test sensitivity or cause incorrect results.
15. Mutations or variations in the target sequence may cause false-negative results.
16. Contamination of the laboratory environment or pipettes may lead to false-positive results.

Symbol descriptions

	In vitro diagnostic		Consult instructions for use
	Manufacturer		Keep away from sunlight
	Single-use only		Keep dry
	Storage temperature limitations		Do not use if package is damaged
	Fragile, handle with care		Sufficient for one test

For the digital version of this instructions of use, please visit vetid.flashdiagnostics.com.hk

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FLASH VetID™ for Respiratory Swab Samples



Instructions of Use

Applicable to:

Test kit	Target pathogen
FLASH VetID™ FHV (VID-01-01)	Feline herpesvirus type 1
FLASH VetID™ FCV (VID-01-02)	Feline calicivirus
FLASH VetID™ B. bronchiseptica (VID-01-03)	<i>Bordetella bronchiseptica</i>
FLASH VetID™ C. felis (VID-01-04)	<i>Chlamydia felis</i>
FLASH VetID™ M. felis (VID-01-05)	<i>Mycoplasma felis</i>

NOTE:

If you are running multiple tests for the same patient at once, collect samples from three sites (if possible) only ONCE and use one sample tube.

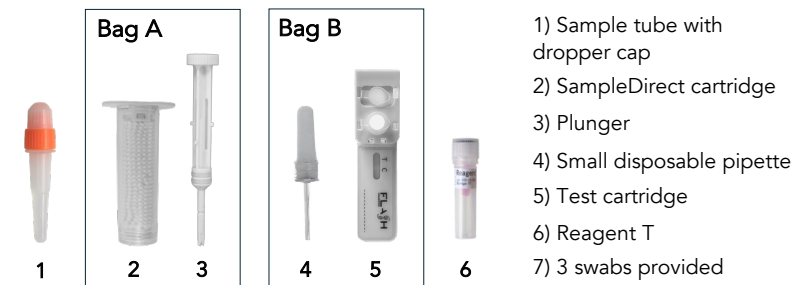
1. Oropharyngeal swab
2. Nasal swab, AND
3. Conjunctival swab

You DO NOT need a separate sample tube for each test.



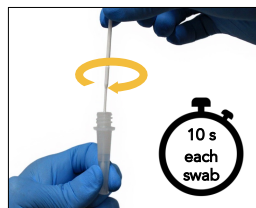
x1

1 Place the needed components on your work surface



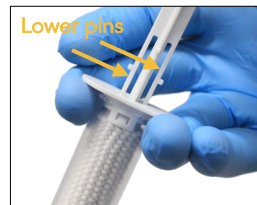
2 Prepare the samples. Open Bag A.

After sample collection, **squeeze** and **swirl** each of the 3 swabs one after the other in the sample tube



Each test requires its own SampleDirect cartridge, split the volume depending on the number of tests on the same patient

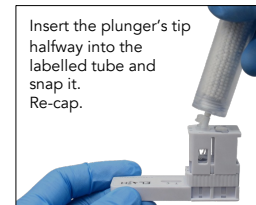
Tests on same patient	Drops from the sample tube into each SampleDirect cartridge
1	All liquid
2	12 drops
3	8 drops
4	6 drops
5	5 drops



Insert the plunger and push until the **lower pair of pins** insert into the slots



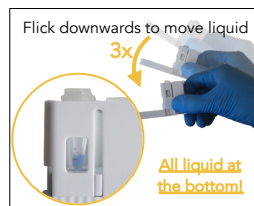
Turn 90° and wait for 3 min



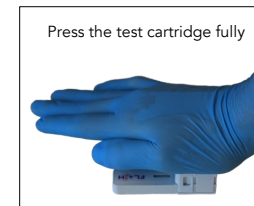
5 Run the test



3 While you wait, open Bag B and add Reagent T to test cartridge



6 Activate the test cartridge

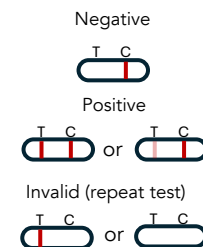


4 Load sample onto test cartridge



7 Read results

Read results within 3 and 60 minutes of pressing the cartridge



8 Discard all components

Place all used parts into the waste bag included in the kit and seal it

