

Canine Adeno/Distemper/Influenza Antigen Combo Test kit

■ INTENDED USE

The Canine CAV-CDV-CIV Ag Combo Test is a lateral flow immunochromatographic assay for the qualitative distinguish diagnosis of canine Distemper virus antigen (CDV Ag), canine Adenovirus antigen (CAV Ag) and canine Influenza virus antigen (CIV Ag) in secretions from dog's eyes, nasal cavities.

Assay Time: 10 minutes

■ PRINCIPLE

The Canine CAV-CDV-CIV Ag Combo Test is based on sandwich lateral flow immunochromatographic assay. The test card has a testing window for the observation of assay running and result reading. The testing window has an invisible T (test) zone and a C (control) zone before running the assay. When the treated sample was applied into the sample hole on the device, the liquid will laterally flow through the surface of the test strip and react with the pre-coated monoclonal antibodies. If there is targeted antigen in the specimen, a visible T line will appear. The C line should always appear after a sample is applied, which indicates a valid result. By this means, the device can accurately indicate the presence of CDV, CAV and CIV antigen in the specimen.

■ Materials provided (1 tests/kit)

- | | |
|-------------------------|----|
| 1) Test devices | x1 |
| 2) Dilution buffer | x2 |
| 3) Disposable swab | x2 |
| 4) Instructions for use | x1 |
| 5) Collection bag | x1 |

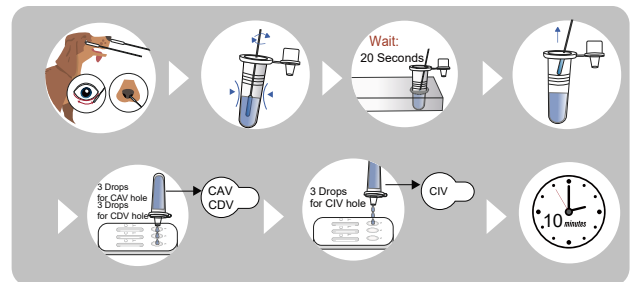
■ STORAGE AND STABILITY

- Store in a dry place at 2-30°C
- Do not freeze
- Keep away from direct sunlight
- 24 months of shelf life (Production date to the expiration date).

■ TEST PROCEDURE

1. All reagents and samples must be at room temperature (15~30C/59~86°F) before use.
2. Use the swabs supplied to collect a sample from feline ocular secretions, nasal fluid.
3. Put the first swab into the CAV/CDV Dilution Buffer tube and the second swab into the CIV Dilution Buffer tube.
4. Stir the solution in each tube with the swab to disperse the sample into the buffer (approximately 10 seconds).
5. Wait for 20 seconds to settle down the large particles.
6. Remove the swabs from each sample dilution buffer tube.
7. Remove a test device from the pouch and place it on a flat and dry surface.

8. Apply 3 drops of the mixed sample solution into the sample holes for each, drop by drop vertically
9. Read test results at 10 minutes.

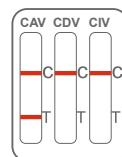


■ READING OF THE TEST RESULT

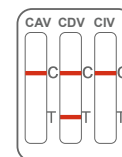
1. Positive Results

Test (T) line and control (C) line within the result window indicate the presence of pathogenic antigens.

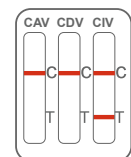
[CAV positive]



[CDV positive]

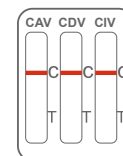


[CIV positive]



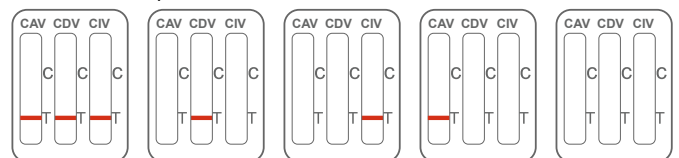
2. Negative Result

Only control (C) line appears in the result window.



3. Invalid Results

If the control (C) line does not appear, the result might be considered invalid. The sample should be retested.



■ Performances

1. Sensitivity & Specificity (CAV Ag)

		PCR		Total
		+	-	
CAV Ag Test	+	63	3	66
	-	5	265	270
Total		68	268	336

Sensitivity: 92.65% (63/68, 95% CI: 83.91%~96.82%)

Specificity: 98.88% (265/268, 95% CI: 96.76%~99.62%)

Diagnostic Agreement: 97.62% (328/336, 95% CI: 95.37%~98.79%)

2. Sensitivity & Specificity (CDV Ag)

		PCR		Total
		+	-	
CDV Ag Test	+	85	3	88
	-	1	129	130
	Total	86	132	218

Sensitivity: 98.84% (85/86, 95% CI: 93.70%~99.79%)
Specificity: 97.73% (129/132, 95% CI: 93.53%~99.22%)
Diagnostic Agreement: 98.17% (214/218, 95% CI: 95.38%~99.28%)



Importer & Distributor: BISAF Sp. z o.o.
Add: ul. Rdestowa 5, 54-530 Wrocław, Poland
Website: www.bisaf.pl

3. Sensitivity & Specificity (CIV Ag)

		PCR		Total
		+	-	
CIV Ag Test	+	11	1	12
	-	1	125	126
	Total	12	126	138

Sensitivity: 91.67% (11/12, 95% CI: 64.61%~98.51%)
Specificity: 99.21% (125/126, 95% CI: 95.64%~99.86%)
Diagnostic Agreement: 98.55% (136/138, 95% CI: 94.87%~99.60%)

■ PRECAUTIONS

- All reagents must be at room temperature before running the assay.
- Do not remove test cassette from its pouch until immediately before use.
- Do not use the test beyond its expiration date.
- The components in this kit have been quality control tested as standard batch unit. Do not mix components from different lot numbers.
- All specimens are of potential infection. It must be strictly treated according to the rules and regulations by local states.

■ LIMITATION

Canine CAV-CDV-CIVAg Combo Test is designed for in vitro veterinary diagnosis use only. All result should be considered with other clinical information available with veterinarian. It is suggested to apply a further confirmative method such as RT-PCR when positive result was observed.



Manufacturer: Feng Chun Yuan Medical Equipment(Shenzhen)Co.,Ltd
Address: Room.1304 & Room.1306, No.48, Xinyu Road, Xiangshan Community
Xinqiao Street, Baoan District, Shenzhen, Guangdong, China. 518 000



Riomavix S.L.
Add.: Calle de Almansa 55, 1D, Madrid 28039 Spain
Tel.: +34 658 396 230
E-mail: leis@riomavix.com