PUSHKANG®

Feline Panleukopenia Virus Antigen Rapid Test

(Feces/Vomit)

Package Insert

Intended Use

The Feline Panleukopenia Virus Antigen Rapid Test is a lateral flow immunochromatographic assay for the qualitative detection of feline Parvovirus antigen (FPV Ag) in cat's feces or vomit specimen.

Principle

The Feline Panleukopenia Virus Antigen Rapid Test is based on sandwich lateral flow immunochromatographic assay. The test device 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 FPV antigen in the specimen, a visible T line will appears. 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 FPV antigen in the specimen.

Storage and Stability

Store as packaged in the sealed pouch either at room temperature or refrigerated (2-30 °C). The test is stable through the expiration date printed on the sealed pouch. The test device must remain in the sealed pouch until use. DO NOT FREEZE. Do not use beyond the expiration date.

Precautions

- Do not use after expiration date.
- Handle all specimens as if they contain infectious agents. Observe established
- precautions against microbiological hazards throughout testing and follow the standard
- procedures for proper disposal of specimens.
- Wear disposable gloves and eye protection when specimens are being tested.
- Humidity and temperature can adversely affect results.
- Do not remove test device from its pouch until immediately before use.
- Do not reuse the test kit.
- Do not mix components from different lot and different products.

Additional Special Equipment

Materials Provided

• Test devices • Droppers • Swabs
• Plastic tubes with buffer • Package insert

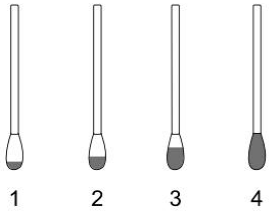
Materials Required But Not Provided

• Timer

Direction For Use

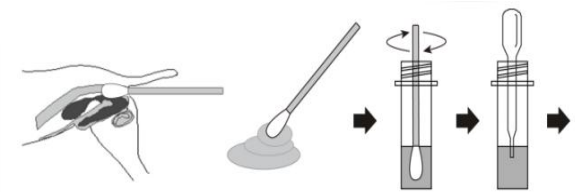
Allow the test device, specimen, buffer, and/or controls to equilibrate to room temperature (15-30 °C) prior to testing.

1. Remove the test device from the foil pouch and use it as soon as possible. Best results will be obtained if the assay is performed within one hour.
2. Collect cat's feces or vomit with the swab from cat's anus or on the ground. The amount of fecal swab as follows:

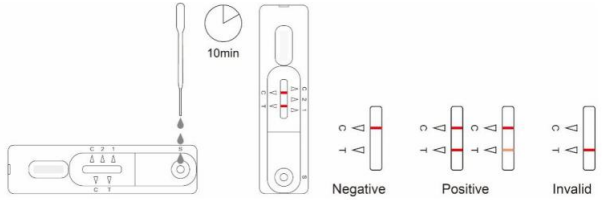


1. Not enough
2. Good
3. Good
4. Too Much

3. Insert the wet swab into the provided assay buffer tube. Agitate it to assure good sample extraction.
4. Place the test device on a clean and level surface. Hold the dropper vertically and transfer **3 drops of extracted sample (approximately 120 µl)** to the specimen well (S) of the test device, then start the timer. See illustration below.
5. Read the result at 5 minutes. Do not interpret results after 10 minutes.



Cat.No.: VE90037



Interpretation of Results

Positive: Two lines appear. One line should always appear in the control line region(C), and another one apparent colored line should appear in the test line region.

Negative: One colored line appears in the control region(C).No apparent colored line appear in the test line region.

Invalid: Control line fails to appear. Insufficient specimen volume or incorrect procedural techniques are the most likely reasons for control line failure. Review the procedure and repeat the test with a new test device. If the problem persists, discontinue using the test kit immediately and contact your local distributor.

Performance Characteristics

Relative Sensitivity: 92.54 % (95%CI*: 83.44% - 97.53%)
Relative Specificity: 97.09 % (95%CI*: 91.72% - 99.40%)
Accuracy: 95.29 % (95%CI*: 90.94% - 97.95%)
*CI = confidence interval compared to RT-PCR method

Limitations

Feline Panleukopenia Virus Antigen Rapid Test is 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 when positive result was observed.

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