



# Feline Panleucopenia Virus Ag Test (FPV Ag)



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Ver02: 2024/09

# Feline Panleucopenia Virus Ag Test (FPV Ag)

## 1. INTENDED USE

BioSmart Feline Panleucopenia Virus Ag Test is a sandwich lateral flow immunochromatographic assay for the qualitative detection of Feline Panleucopenia Virus (FPV Ag) in cat's feces.

**Assay Time:** 10-15 min

**Sample:** Feces

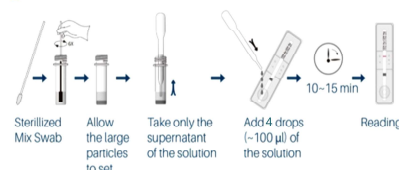
## 2. PRINCIPLE OF THE ASSAY

BioSmart Feline Panleucopenia Virus Ag Test is based on sandwich lateral flow immunochromatographic assay. The test device has a testing window. The testing window has an invisible T (test) zone and C (control) zone. When sample is applied into the sample hole on the device, the liquid will laterally flow on the surface of the test strip. If there is enough Panleucopenia Virus antigen in the sample, a visible T band will appear. The C band should always appear after a sample is applied, indicating a valid result. By this means, the device can accurately indicate the presence of Panleucopenia Virus antigen in the sample.

## 3. KIT COMPONENT

- 10×foil pouches, each containing one cassette, one pipette and a desiccant
- 10×assay buffer tubes (1.0 mL each)
- 10×swab sticks
- Product Manual

## 4. TEST PROCEDURE



- Place all specimens, test devices, and allow them to room temperature prior to testing
- Collect cat's feces with the swab stick from cat's cloaca or on the ground.
- Insert the wet swab into the provided assay buffer tube. Agitate it to assure good sample extraction.(about 15 seconds)
- Leave the solution for ~30 seconds to sink large particles completely.
- Take out the cassette from the

foil pouch and place it horizontally.

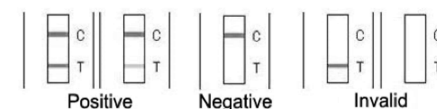
- Gradually drip 4 drops(100 µl) of sample extraction into the sample hole.
- Interpret the result in 10-15 minutes. Result after 20 minutes is considered as invalid.

## 5. INTERPRETATION OF RESULTS

**Positive:** The presence of both C band and T band, no matter T band is clear or vague.

**Negative:** Only clear C band appears.

**Invalid:** No colored band appears in C zone, no matter whether T band appears.



## 6. STORAGE

The kit can be stored at room temperature (2-30°C). The test kit is stable through the expiration date marked on the foil pouch. **DO NOT FREEZE.** Do not store the test kit in direct sunlight.

## 7. PRECAUTIONS

- For best results, please strictly adhere to these instructions.
- 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 reuse the test kit.
- Do not use the test beyond its expiration date marked on the foil pouch.
- The components in this kit have been quality control tested as standard batch unit.
- Do not mix components from different lot numbers.

## 8. LIMITATION

BioSmart Feline Panleucopenia Virus Ag Test is for in vitro veterinary diagnosis use only. All results should be considered with other clinical information available from veterinarian. For an accurate result, it is suggested to apply other methods such as PCR for final determination in practice.