



Bioguard Peritonitis Detection Kit, which is developed and manufactured by Bioguard Corporation, can differentiate a transudate from an exudate. When the exudate contains reaction-positive proteins, it forms an effusion drop, which precipitates in the reaction solution. The formation of precipitated products, teardrop-shaped, mists or smears can be observed during the test. In contrast, the transudate will completely dissolve in the reaction solution during the sedimentation.

Bioguard Peritonitis Detection Kit is fast, simple and reliable to detect or exclude a Peritonitis in cats.

## KIT COMPONENTS

10 test kits per box, containing the following components:

- 10 reaction tubes, containing acetic acid solution.
- 10 droppers
- 10 dye-containing tubes
- 1 instruction manual

## SPECIMEN TYPE

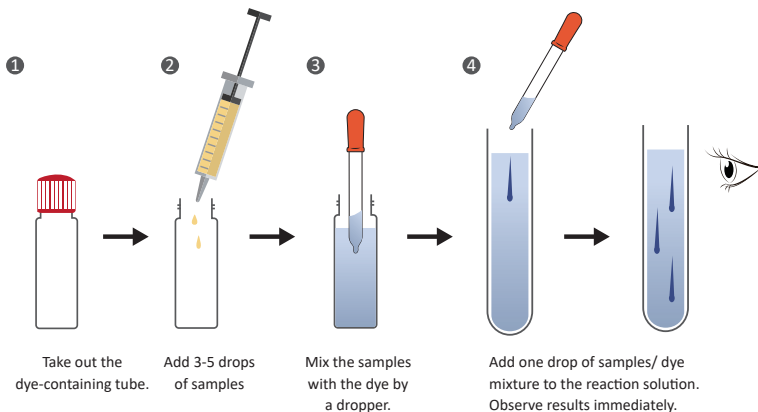
Ascites, pleural effusion.

## APPLICABLE CONDITION

Cats are suspicious for FIP.

## TEST PROCEDURE

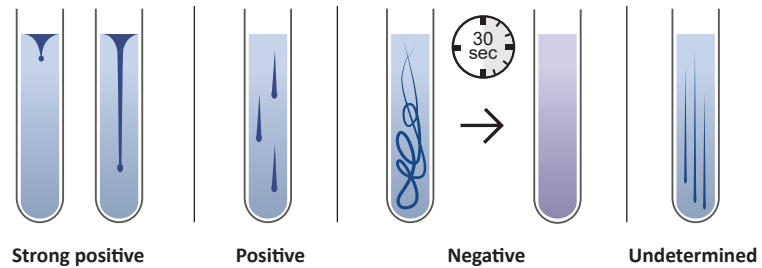
- Collect samples (ascites or pleural effusion) from cats with a syringe. Remove the needle from the syringe after collection.
- Add 3-5 drops of samples into the dye tube.
- Mix the samples with the dye by a dropper.
- Open the reaction tube and add one drop of samples/ dye mixture into the reaction tube slowly.
- After this step, please DO NOT shake the reaction tube or it might affect results.
- Observe results immediately; please DO NOT cap the tube.



- \* The specimens and test kit components should reach room temperature before the application. Samples / dye mixture should be tested within 30 min.

## INTERPRETATION OF RESULTS

- a) **Strong positive:** Blue, floating teardrop-shaped drops contact to the surface of the reaction solution.
- b) **Positive:** Blue, jellyfish-like drops slowly sink down to the bottom.
- c) **Negative:** Blue drops disappear gradually and the solution becomes light blue.
- d) **Undetermined:** Blue, unstable drops dissolve quickly in the solution.



## STORAGE

- Test kits need to be stored at 15-25°C. DO NOT FREEZE.
- Test kits expire in 24 months after the production date.
- Do not store test kits in direct sunlight.

## PRECAUTIONS

- For the best results, please follow the instructions carefully.
- Do not use test kits after the expiration date
- One test kit is designed for single use. Once the test is finished, please properly discard all specimens and kits in accordance with Good Laboratory Practice (GLP).
- During direct contact, acetic acid solution may lead to severe burns of skin or serious eye damage. Please operate with caution and keep it out of reach of children and pets.
- Samples are temperature sensitive, please keep it away from heat sources during the test.

## LIMITATION

The test is for veterinary use and in vitro diagnosis only, and **it is not able to exclude all the possibility of false negative and false positive results caused by various factors.**

Aside from FIP, a positive test result due to exudate based on bacterial peritonitis or lymphoma should be excluded by other experimental methods. When an undetermined or negative test result or diagnosis occurs, the test should be repeated after 1 week. Meanwhile, a PCR test with exudate can be conducted to examine FIP-causing pathogens.