

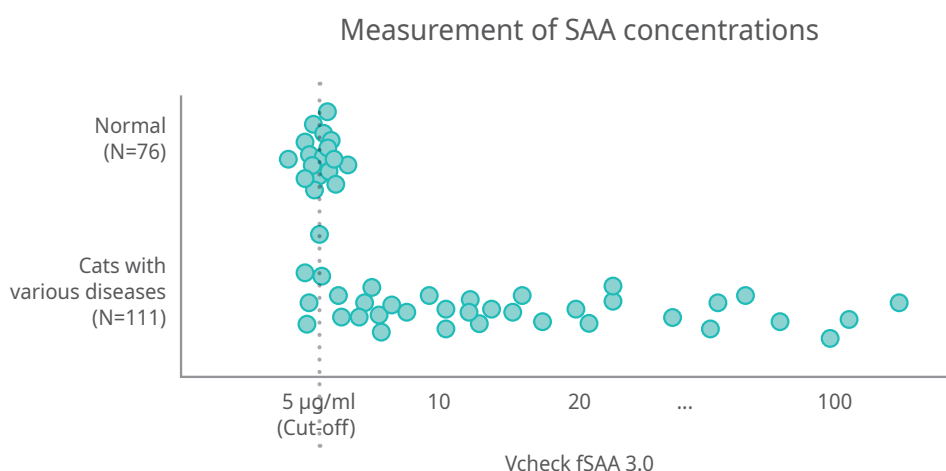
Vcheck fSAA 3.0



Feline Acute Inflammatory Marker, Serum Amyloid A

What is Serum amyloid A?

SAA (Serum amyloid A) is one of the major acute-phase proteins and has low concentrations in healthy cats. As a sensitive marker of inflammation, its concentration increases rapidly in response to inflammatory stimuli such as infection, trauma, tumors, or surgery.



Clinical Application



AFTER
SURGERY

Monitoring the post-operative effects and recovery

Screening interval (Recommendation)

- ① Before surgery
- ② After surgery
- ③ 2-3 times every 12 hours



CONTINUOUS
MONITORING

Serial monitoring of the response to treatment

Decrease in SAA levels between two consecutive time points could be associated with positive response to treatment.



REGULAR
CHECK-UP

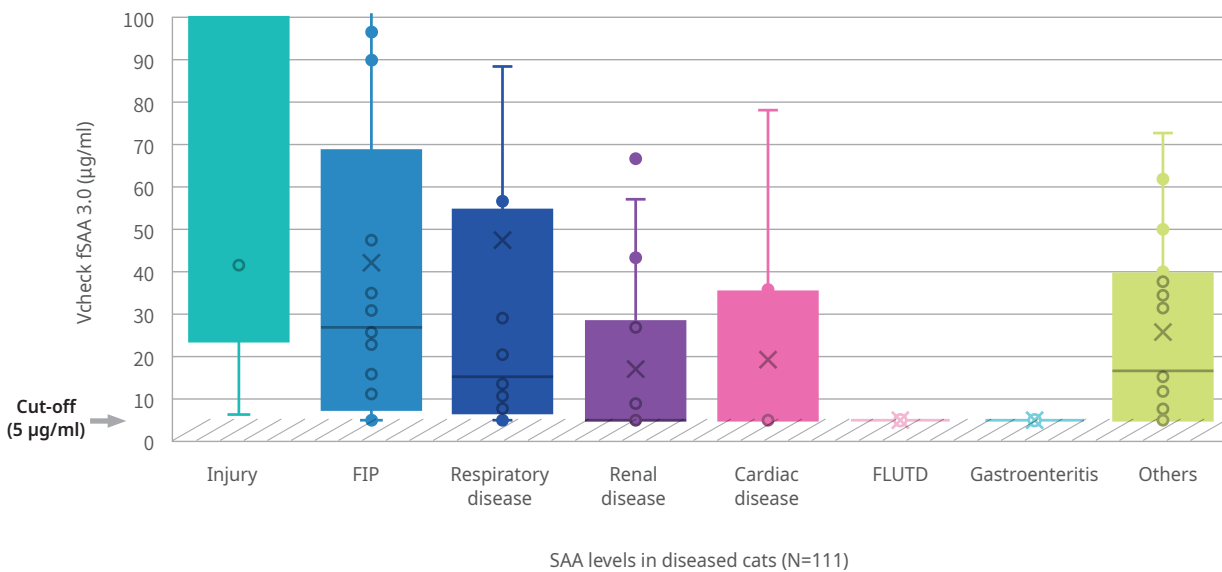
Early detecting the presence of inflammation

SAA increases in the early stage of inflammation, enabling an early detection of inflammation before the presence of clinical symptoms.

Vcheck fSAA 3.0 : Clinical Evaluation

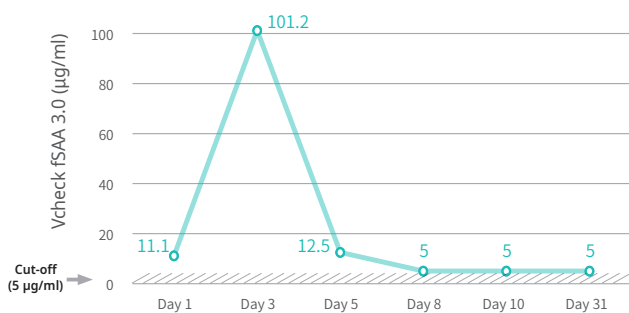
∴ High SAA levels in various diseases

- Injury
- Neoplasia
- Feline infectious peritonitis (FIP)
- Chronic kidney disease (CKD)
- Pyometra
- Cardiomyopathy
- Hepatitis / Cholangitis
- Pneumonia / Respiratory tract infections



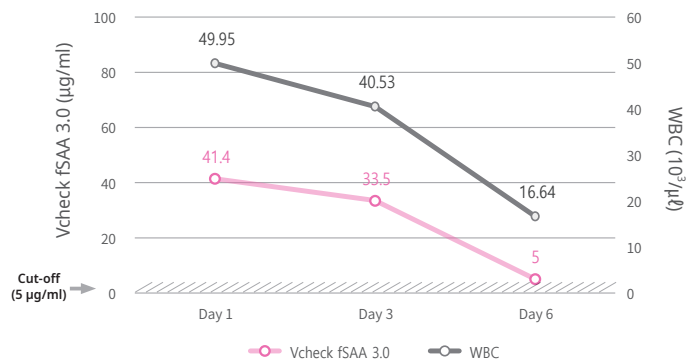
∴ Treatment Monitoring of SAA Levels

Case 1 : Cat under treatment for FIP



- High SAA levels in a cat with FIP
- After treatment, SAA levels decreased, reflecting the inflammatory status.

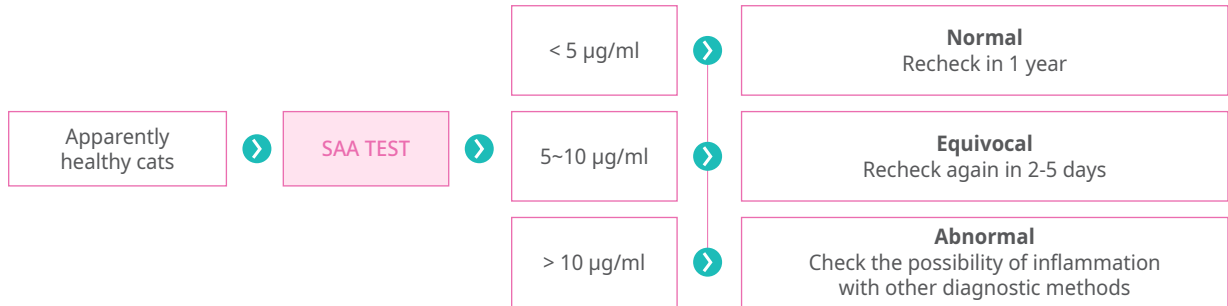
Case 2 : Cat under treatment for trauma



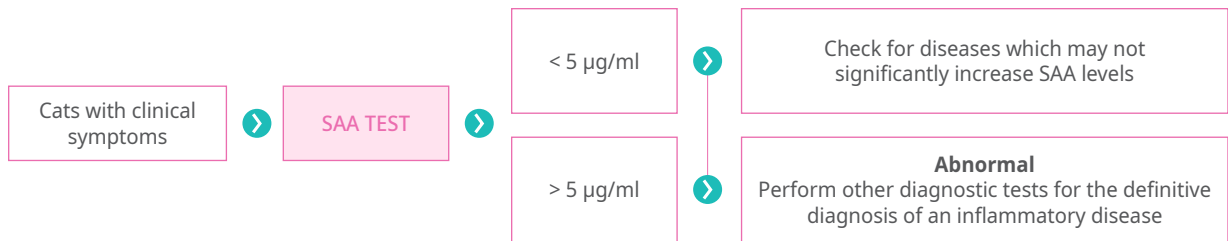
- High SAA & WBC levels indicate presence of infection.
- The concentrations declined rapidly following recovery.

Diagnostic Algorithm

∴ Regular check-up



∴ First choice in symptomatic cats



Case Study

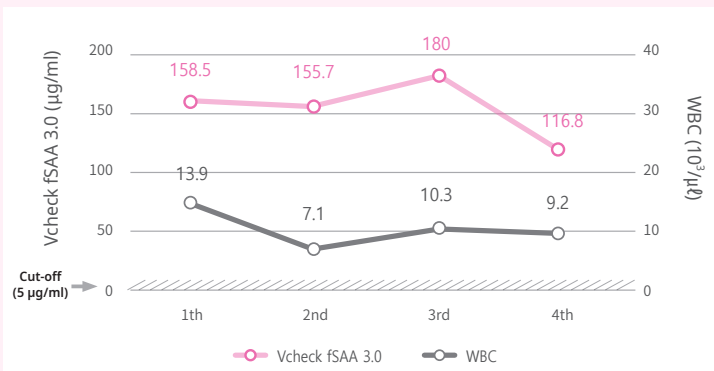


- ✓ **Male, 6 months, Bengal**
- ✓ **History** : Loss of appetite
- ✓ **Clinical sign** : Dyspnea, lethargy
- ✓ **Blood test**

- ✓ **X-ray** : Fluid in the peritoneal cavity (ascites)
- ✓ **PCR assay** : FIP virus (biotype) in ascites
-> Diagnosis of FIP (Wet form)

fSAA: 158.5 µg/ml (Abnormal), A/G ratio: 0.39 (<0.4: High FIP likelihood) Globulin: 5.3 g/dl (hyperglobulinemia)

Changes of SAA and WBC levels



SAA significantly increases in cats with FIP compared with asymptomatic FCoV-exposed cats, which aids in making a diagnosis and monitoring therapy.

Vcheck Feline SAA 3.0

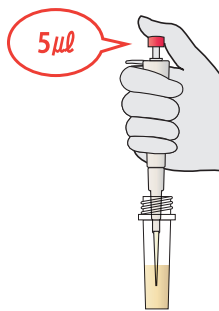
Specifications

- Species : Cat
- Sample : Serum, plasma (heparin) 5 μ l
- Testing time : 5 minutes
- Measurement Range : 5~200 μ g/ml
- Storage Condition : 1~30 $^{\circ}$ C

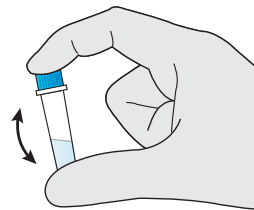


Test Procedure

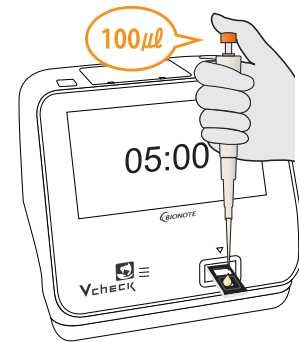
- 1 Draw 5 μ l of sample and add it into an assay diluent tube



- 2 Close the tube cap and shake for 5-6 times to mix thoroughly



- 3 Add 100 μ l of mixture in the sample hole of the test device



Reference Range

< 5 μ g/ml	5 ~ 10 μ g/ml	> 10 μ g/ml
Normal	Equivocal	Abnormal

Ordering Information

Product No.	Product Name	Product Type	Packing Unit
VCF138DD	Vcheck Feline SAA 3.0	Device	10 Tests/Kit