

IVD solutions through partnership



Serum Amyloid A (SAA)

Simple, Sensitive, Superior Results

- LZ- and VET-SAA test
- Reliable infection marker
- For many different species
- Automated, rapid processing

Background

Serum amyloid A (SAA) is an acute-phase protein (APP) that rises rapidly in response to inflammatory reactions. In horses and cats, SAA is a major APP, which means that the SAA concentration increases more than 10-fold after the occurrence of an inflammatory stimulus^{1,2}. As the increase occurs after six to twelve hours, SAA measurement is ideally suited for early diagnostics¹.

Like C-reactive protein (CRP), it is synthesized in the liver and then released into the bloodstream. Thus, the SAA can be determined from serum or plasma.

SAA is a biomarker in the following cases, for example:

- Infections
- Inflammatories
- Malignant tumours
- Autoimmune diseases
- Tissue necrosis



Thanks to its ability to detect dynamic changes quickly, SAA is ideal for therapy monitoring.

The LZ- and VET-SAA tests contain reagents with latex particles coated with antibodies against SAA.

SAA is determined by optical measurement of the turbidity caused by agglutination of the latex particles. The turbidity is proportional to the SAA concentration in the serum.

NEW

The VET-SAA test extends the application in veterinary medicine to numerous animal species. In addition to **horses** and **cats**, the VET-SAA test can be used to test **dogs, cattle, monkeys and other species**.

Advantages of the SAA-agglutination test

- Can be performed on various automated analyzers/ adaptation protocols on request
- High analytical sensitivity
- VET-SAA test also suitable for high concentrations (> 3000 mg/L)³

Ordering information

Order-No.	Product	Packsize
22-SZ11	SAA Latex Agglutination Reagent 1+2	2 x 20 mL each
22-SZ12	SAA Calibrator Kit	6 x 1 mL
22-SZ13	QC Control SAA Low	5 x 2 mL
22-SZ14	QC Control SAA High	5 x 2 mL
22SZ51	VET-SAA Latex Agglutination-Reagent 1+2	2 x 20 mL each
22SZ90	VET-SAA Calibrator Kit	5 x 1 mL; Lysis buffer: 1x12 mL
22SZ91	VET-SAA QC Control Low	5 x 1 mL; Lysis buffer: 1x12 mL
22SZ92	VET-SAA QC Control High	5 x 1 mL; Lysis buffer: 1x12 mL

1. Pichon, Susanne: Welchen Vorteil erbringt die Messung von Serum-Amyloid-A im Entzündungsgeschehen? pferde spiegel 2020; 23(01): 42-43

2. Breu, Doris: Akute-Phase-Proteine bei Hund und Katze, kleintier konkret 2015; 18(6): 42-43

3. Jacobsen, Stine: Validation of an equine serum amyloid A assay with an unusually broad working range, BMC Vet Res 2019;15(1):462

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