

Canine CRP Immunoassay

Particle-enhanced turbidimetric immunoassay (PETIA) for quantitative determination of C-reactive protein (CRP) in canine serum and plasma.



Highlights:

- ➔ For rapid diagnosis of inflammation
- ➔ Developed specifically for dogs

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Identifying systemic inflammation

C-reactive protein (CRP) is a major acute phase protein in dogs, synthesized by the liver in response to inflammation¹.

The concentration of CRP in canine blood increases rapidly in inflammatory conditions such as infection, sepsis or surgical trauma²⁻⁵. CRP is quickly reduced when the source of inflammation is removed⁶⁻⁸, thus reflecting the degree of inflammation.

Gentian Canine CRP Immunoassay

A turbidimetric assay for the measurement of canine CRP in serum and plasma samples. The assay is designed using canine-specific antibodies and Gentian's proprietary technology. The assay allows for rapid and flexible random access use and is an ideal solution for high throughput applications in the routine laboratory. Can be applied on all automated platforms, giving short turnaround time from sample to reportable result.

Areas of use

- Rapid diagnosis
- Detecting systemic inflammation
- Analysis of treatment response
- Monitoring disease activity

Gentian Canine CRP Immunoassay Performance

| | |
|------------------------|----------------------------|
| Sample type | Serum and plasma |
| Assay type | PETIA |
| Format | Two reagents, ready to use |
| Measuring range | 10-300 mg/L |
| Precision* | Total CV <4.1% |
| LoQ* | 7 mg/L |
| Security zone* | 1000 mg/L |
| Reference range | <10 mg/L |
| Calibration stability* | 4 weeks |

*Instrument specific, results from AU400 application validation.

"The high clinical relevance of canine CRP is observed daily, every time we see how the CRP results influence the treatment of a dog, improving its condition. We appreciate the many benefits of CRP in diagnosing, monitoring disease development and in prognostic evaluation."

Bente Sævik, Veterinarian at AniCura Jeløy Animal Hospital



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References:

1. Eckershall et al. Vet J. 2010; 185; 23-27
2. Ceron et al. Vet Clin Pathol. 2005; 34; 85-99
3. Yamamoto et al. Vet Res Commun. 1993; 17; 259-266
4. Lowrie et al. Vet J. 2009; 182; 125-130
5. Kjølgaard-Hansen et al. Comp Clin Path. 2003; 12; 69-74
6. Yuki et al. J Vet Intern Med. 2016; 30; 116-122
7. Mendez et al. Vet Paracitol. 2015; 209; 197-201
8. Ndung'u et al. Acta Trop 1991; 49; 77-86

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