

The preferred assay by major reference laboratories, continuously available since 2013.

Gentian Canine CRP Immunoassay

Particle-Enhanced Turbidimetric Immunoassay (PETIA) utilising canine-specific antibodies for consistent results on clinical chemistry instruments

Clinical value of canine CRP

- Early assessment of inflammatory diseases and disorders¹
- Reflects the degree of inflammation^{2,3}
- Monitors disease development and treatment efficacy⁴



Early and rapid detection of inflammation in dogs

C-reactive protein (CRP) is an inflammation marker in canine serum and plasma, important in diagnosis of infections and inflammatory conditions such as gastrointestinal diseases, surgical trauma, autoimmune diseases and neoplasia¹. As a major acute phase protein, CRP levels can quickly rise to more than 100 times its original concentration, with significant changes detectable after just 4–6 h^{2,3}. Due to its short half-life, CRP can also be analysed to monitor disease development and treatment efficacy⁴.

Early detection of canine CRP allows for precise diagnosis and quick individualised patient decisions, enabling reduced care time and improved patient outcomes.

Why Gentian Canine CRP Immunoassay?

- Canine-specific antibodies ensure consistent specificity to the canine CRP antigen
- Avian origin of antibodies contributes to reduced interference
- Instrument-independent and validated on a wide range of clinical analysers



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References: 1. Ceron et al. *Vet Clin Pathol.* 2005; 34:85-993 2. Pepys, et al. *J Clin Invest.* 2003; 111(12): 1805–1812 3. Eckershall et al. *Vet J.* 2010; 185:23–27 4. Vigushin et al. *J. Clin. Invest.* 1993; 91:1351–1357

Immunoassay performance

Gentian Canine CRP Immunoassay Performance	
Sample type	Serum and plasma
Assay type	PETIA
Format	Two reagents ready to use
Precision*	Total CV < 5%
LoQ*	7 mg/L
Reference range	< 10 mg/L
Security zone*	Up to 1000 mg/L
Measuring range	~10-300 mg/L
Calibration stability*	4 weeks
Assay Time	~ 10 minutes

*Beckman Coulter AU400

Calibrator standardisation

The calibrator for the Gentian Canine CRP Immunoassay is available as a 6-point pre-diluted calibrator kit. The calibrator is adjusted against a commercially available human CRP assay used for canine CRP determination at the Swedish University of Agriculture Sciences Animal Hospital. No international standard is available for canine CRP.

Product range

Product no.	Product	Content
1501	Gentian Canine CRP Reagent Kit	R1 Reaction buffer 45 ml + R2 Immunoparticles 10.5 ml
1519	Gentian Canine CRP Control Kit	2 levels: 2 x 0.5 ml
1551	Gentian Canine CRP Calibrator Kit	6 levels: 6 x 0.5 ml



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