afinion™
POINT OF CARE CENTER

Afinion™ CRP

Afinion™ CRP - your daily support in point-of-care

Key facts

- Ready-to-use CRP Test Cartridges
- 1.5 µL sample volume (whole blood, serum or plasma)
- 3:45 minutes test time
- Test Cartridges can be stored for 6 weeks at room temperature
- CRP measuring range:
  5-160 mg/L (serum)
  8-200 mg/L (whole blood)
- Automatic correction of CRP result according to the patient's hematocrit level
- Calibrated against the ERM® -DA470 reference preparation (CRM 470)
- Excellent correlation with automated laboratory methods
- Good precision:
  CV < 10% at CRP below 20 mg/L
  CV < 6% at CRP above 20 mg/L

A CRP test designed for the doctor's office

C-reactive protein (CRP) has been measured as an indicator of inflammation for many years. It is widely used in diagnosis and follow-up of patients with infectious and non-infectious inflammatory diseases.

CRP became available for point-of-care testing in the 1980s. The earliest semi-quantitative latex slide tests were later replaced by rapid quantitative assays. Since then, there has been a steady growth in the use and acceptability of the CRP test in the doctor's office.

Today, with the CRP test presented on the small, automated desk-top Afinion™ AS100 Analyzer, the clinical utility of the CRP test can be fully exploited in the doctor's office or in any other point-of-care setting.

All you need is ...

- The small desk-top Afinion™ AS100 Analyzer (if not already acquired for HbA1c analysis)
- Afinion™ CRP Test Cartridges
- Afinion™ CRP Controls

Convenience for patient and user

- Capillary or venous whole blood, serum or plasma – same procedure, same Test Cartridge.
- Very small sample volume needed – a drop of blood is sufficient.
- The unique Afinion™ Test Cartridge with the integrated sampling device ensures safe and convenient blood collection.

Simple and effective!

The Afinion™ AS100 Analyzer is easily operated from the touch screen. The user requirements for simplicity, security and convenience are met by the automated analysis of the Test Cartridge.

Simply place the cartridge in the Analyzer and the result is displayed in a few minutes without any further intervention!

Insert Cartridge

Record result

Remove Cartridge

Afinion™ CRP provides confidence

Reliable analytical results are ensured by minimum intervention requirements, automatic calibration and a unique in-process error detection system.
Good precision and excellent agreement with automated hospital laboratory methods reflect the high performance of the Afinion™ CRP test.

Good precision in the hands of the users

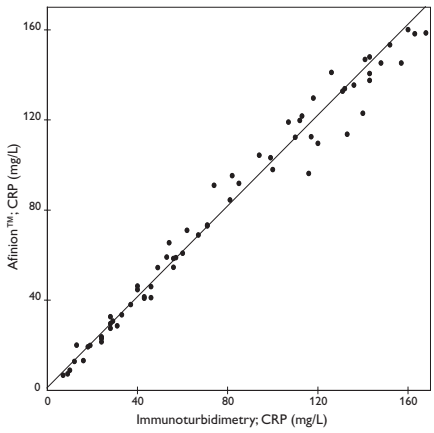
Results from a precision study[1] performed in a point-of-care setting are summarised in the table below. The results are based on data from two doctors' offices where the staff at both sites analysed six replicates of each sample for five days.

Sample	Within run CV	Between day CV	Total CV
Low CRP (10 mg/L)	≤ 10%	≤ 11%	≤ 11%
Medium CRP (30 mg/L)	≤ 5%	≤ 5%	≤ 5%
High CRP (75 mg/L)	≤ 5%	≤ 5%	≤ 5%

CV = Coefficient of Variation

Excellent correlation to hospital laboratory methods

Serum samples from 67 patients with CRP within the range of 5-160 mg/L were measured with Afinion™ CRP and an immunoturbidimetric laboratory method[2].



Number of samples	n = 67
Regression line	y = 1.01x + 0.8
Correlation coefficient	r = 0.99

1 Validation of Afinion™ CRP in a Point-of-Care Setting. External study, Axis-Shield PoC AS, 2005.
2 Afinion™ CRP Technical Documentation File. Internal reports, Axis-Shield PoC AS, 2005.

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