



# CoaguChek<sup>®</sup> XS system

*The smart way to test your INR at home*

**CoaguChek<sup>®</sup>**  
Because it's my life

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Established 1922

**Medical and Surgical Requisites Pty Ltd**

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# CoaguChek® XS system

## *INR monitoring has never been so easy*

There has been an extraordinary increase in the use of vitamin K antagonists (VKAs), driven mainly by an aging population. Millions of people worldwide are now taking VKAs for a variety of conditions. They need a regular blood test called the international normalized ratio (INR) to check that their VKA is working as it should.

This test can be done at home using a small drop of blood from the fingertip.

Since 1993, CoaguChek systems from Roche have set the standard in point-of-care INR testing for patients on oral anticoagulant therapy. More than 2 million patients on VKAs around the world are testing with a CoaguChek system: you can be confident you're making the right decision by choosing a CoaguChek XS system today.

### **Just a few easy steps and one minute to your INR results**



1) Insert the test strip into the device (insertion automatically switches the device on).



2) Prick your fingertip with the CoaguChek XS Softclix lancing device to get a drop of blood.



3) Apply the first drop of blood within 15 seconds. Side- or top-dosing on the test strip makes dosing very easy.



4) Get your INR result within seconds.



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# CoaguChek® XS system

*Offers you more...*

## ... safety

- Onboard control on every strip in the measuring channel, with no need to run liquid controls
- Results virtually identical to those achieved with CoaguChek XS Plus system/CoaguChek XS Pro system<sup>1</sup>
- Frequent testing:
  - allows timely dosage changes
  - increases time in therapeutic range<sup>2</sup>
  - reduces adverse events<sup>3</sup>

## ... independence

- Use the small, light and easily portable CoaguChek system to test anywhere, anytime, at home or on the go
- Take control of your condition
- Increase your quality of life

## ... confidence

- Over 20 years of Roche experience in INR monitoring
- Over 2 million patients tested using CoaguChek systems
- Consistent results, with all tests coming from a single source
- Trend analysis thanks to storage of up to 300 test results

## ... comfort

- About 1 minute to get an accurate INR result
- Tiny fingerstick sample – 1 drop (8 µL) of capillary whole blood
- Virtually pain-free sampling using the CoaguChek Softclix lancing device – No need for venous blood sampling
- Easy blood application: top- or sidedosing options, outside the meter for patients with limited dexterity
- One-button operation – simplifies use
- Large, easy-to-read display for patients with limited vision
- Strips stable for up to 21 months



*INR testing, at home or on the go, using a CoaguChek XS system, can significantly improve your quality of life.*

# CoaguChek® XS system for smart INR monitoring

*The smart way to test your INR at home*

## CoaguChek XS meter

Test principle	Electrochemical determination of international normalized ratio (INR) after activating coagulation with human recombinant thromboplastin
Turnaround time	Approximately 1 min.
User interface	Simple icon-based LCD
Memory capacity	300 test results with date and time
Auto power	Auto-on with strip insertion; auto-off after 3 min.
Power supply	4 x 1.5 V AAA batteries
Battery life	Up to 300 tests or 2 years
Operating temperature	+15 °C to +32 °C
Operating relative humidity	10% to 85%
Operating maximum altitude	4,300 m
Dimensions	138x78x28 mm
Weight	127 g (without batteries)



## CoaguChek XS PT test

Blood sample size	8 µL
Sample types	Capillary whole blood or non-anticoagulated venous whole blood
Blood application	Top- and 2 side-dosing options, outside the meter
Measuring range	INR: 0.8 – 8.0
International sensitivity index (ISI)	Approximately 1.0 (in line with World Health Organization (WHO) recommendation)
Calibration	Master lot calibrated directly against international reference method
INR reproducibility	Coefficient of variation (CV) <4.5% for capillary blood
Heparin insensitivity	<ul style="list-style-type: none"> <li>· Heparin concentrations up to 0.8 U/mL</li> <li>· Low molecular weight heparins (LMWH) up to 2 IU/mL</li> </ul> antifactor Xa activity
Hematocrit range	25 – 55%
Quality control	On-board control on every strip in the measuring channel
Stability	21 months from production (+2 °C to +30 °C)



*More than 2 million  
patients on vitamin K  
antagonists around  
the world are testing with  
a CoaguChek® system*



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### References

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- 3 Heneghan, C., Alonso-Coello, P., Garcia-Alamino, J.M., Perera, R., Meats, E., Glasziou, P. (2006). Self-monitoring of oral anticoagulation: a systematic review and meta-analysis. *Lancet*; 367:404-411.

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