



CoaguChek[®] XS system

The smart way to test your INR at home

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.



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



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 system¹
- Frequent testing:
 - allows timely dosage changes
 - increases time in therapeutic range²
 - reduces adverse events³

... **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 side-dosing 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 the 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	138 x 78 x 28 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">· Heparin concentrations up to 0.8 U/mL· Low molecular weight heparins (LMWH) up to 2 IU/mL 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)



References

- 1 Plesch, W., Wolf, T., Dikkeschei, B. (2007). INR results of the CoaguChek XS Plus are equivalent to those of the CoaguChek XS system. Poster presented at the ISTH Congress, July 9, Geneva, Switzerland.
- 2 Matchar, D.B., Jacobson, A., Dolor, R., Edson, R., Uyeda, L. et al. (2010). Effect of home testing of international normalized ratio on clinical events. *N Engl J Med* 363, 1608-1620.
- 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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CoaguChek[®]
Because it's my life

A graphic element consisting of a wavy line with a blue-to-red gradient, positioned below the CoaguChek logo.