

CoaguChek[®]
Because it's my life

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

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.

With over 15 years of experience in point-of-care INR monitoring, Roche is a partner you can rely on. More than 2 million patients on VKAs around the world are testing with a CoaguCheck system: you can be confident you're making the right choice by choosing a CoaguChek XS system today.

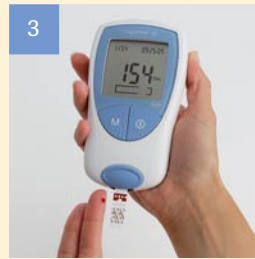
Just a few easy steps and one minute to your INR results



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



2 | Prick your fingertip with the CoaguChek 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 one minute.

CoaguChek XS system and connectivity

Smart and simple, for healthcare professionals and patients

The optional CoaguChek XS Connect device, a small and simple tool for downloading INR results to a computer in combination with the CoaguChek XS meter, gives clear and concise information (e.g. trends).

It empowers patients and allows healthcare professionals to make informed on-the-spot decisions.



confidence

comfort

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.¹
- Frequent testing:
 - allows timely dosage changes.
 - increases time in therapeutic range.²
 - minimizes adverse events.³

... confidence

- Over 15 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.
- Easy documentation and reporting with the optional CoaguChek XS Connect device.
- Trend analysis thanks to storage of up to 100 test results.

... 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.

... comfort

- About 1 minute to get an accurate INR result.
- Tiny fingerstick sample – 1 drop (8 microliters) 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 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
Measurement time	Approximately 1 min
User interface	Simple icon-based LCD
Memory capacity	100 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	4300 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	CV < 4.5 % for capillary blood
Heparin insensitivity	- Unfractionated heparin (UFH) up to 0.8 IU/ml - Low-molecular-weight heparin (LMWH) up to 2 anti-Xa U/ml
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. INR results of the CoaguChek XS Plus are equivalent to those of the CoaguChek XS system. Poster presented at the ISTH Congress, July 9 2007, Geneva, Switzerland.
- ² Ansell J, Hirsh J, Dalen J, Bussey H, Anderson D, Poller L, Jacobson A, Deykin D, Matchar D. Managing Oral Anticoagulant Therapy. Chest 2001;119:22S-38S.
- ³ Heneghan C, Alonso-Coello P, Garcia-Alamino JM, Perera R, Meats E, Glasziou P. Self-monitoring of oral anticoagulation: a systematic review and meta-analysis. Lancet 2006;367:404-411.

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