

“I know my value”



2.6

CoaguChek[®] XS Pro system

*The smart way to manage
your anticoagulation clinic*

CoaguChek[®]
Because it's my life



CoaguChek[®] XS Pro system

A barcode scanner can make a difference

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 indications, e.g. atrial fibrillation (AF), deep vein thrombosis (DVT), pulmonary embolism (PE), and the presence of a mechanical heart valve (MHV).

To best monitor the efficiency of VKAs, an international normalized ratio (INR) is frequently required. This test can be done in your clinic, using a small drop of blood from your patient's fingertip.

This allows you to adapt the VKA dose on the spot – you can check compliance and spend quality time with a better protected and more satisfied patient.

Since 1993, CoaguChek systems from Roche have set the standard in point-of-care INR testing for patients on oral anticoagulant therapy – giving clinicians confidence in making critical treatment decisions. More than two million patients on VKA around the world are currently tested with a CoaguChek system: you can feel confident that you are making the right decision when selecting today a CoaguChek XS Pro system.

A few easy steps



1) Automatic switch-on of the CoaguChek XS Pro system by insertion of the test strip.



2) Virtually pain-free lancing with a lancing device approved for professional use (e.g. the Accu-Chek[®] Safe-T-Pro Plus).



3) Top- or two-side dosing option for easy application. One small drop of blood (8 μ L). Built-in quality control on every strip.



4) INR results within seconds.

A barcode scanner can make a difference!

For busy general practitioner (GP) practices or anticoagulation clinics, high patient throughput can be a challenge. The integration of patient barcode scanner and operator identification enhances both safety and workflow.

Connectivity is straightforward via various ports, whether to the Roche Point-of-Care Data Management Solution (**cobas IT** 1000 application) or to your computer and network. Electronic capture for billing, linking straight into VKA dosage software or electronic patient records, improves your practice management.



CoaguChek® XS Pro system

Offers you more...

... **safety**

- Onboard control on every strip in the measuring channel:
no need to run liquid controls
- INR compares very well with CoaguChek XS Plus system¹
- Possibility to test and modify VKA dose on the spot in one appointment
- Optional liquid quality control (QC) to meet possible regulatory requirements
- Optional operator & QC lockouts
- Patient and operator ID scanning
- Frequent testing:
 - allows timely dosage changes
 - increases time in therapeutic range²
 - reduces adverse events³

... **improved workflow**

- Workflow enhanced by barcode scanner for
 - Operator ID
 - Patient ID
- Data transfer to Laboratory Information Systems (LIS) with optional Handheld Base Unit connected to **cobas IT 1000** application or local data management solution

... **confidence**

- Over 20 years of experience from Roche in INR monitoring
- Over 2 million patients tested on a CoaguChek system
- Easy documentation and reporting with the optional Handheld Base Unit
- Up to 2,000 test results stored to review trends
- Increased patient compliance
- Consistency of results – all tests come from a single source
- More control of your patients' compliance and condition
- More quality time with patients

... **convenience**

- About 1 minute to get an accurate INR result
- Tiny fingerstick sample – 1 drop (8 µL) of capillary whole blood
- Virtually pain-free sampling with a lancing device such as the Accu-Chek Safe-T-Pro Plus – No need for venous blood sampling
- Easy blood application: top- or sidedosing options, outside the meter to prevent cross-contamination
- Touch screen with icon-based LCD display
- Up to 60 calibrations stored on code chip
- Strips stable for up to 21 months



INR testing at your practice, using a CoaguChek XS Pro system, can significantly improve your patients' safety and quality of life.

CoaguChek[®] XS Pro system

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CoaguChek XS Pro meter

Test principle	Electrochemical determination of international normalized ratio (INR) after activating coagulation with human recombinant thromboplastin
Turnaround time	Approximately 1 min.
User interface	Full graphical TFT colour screen
Memory capacity	2,000 patient and 500 QC results with date and time
Auto power	Auto-on with strip insertion; auto-off programmable 1–60 min.
Power supply	4 x 1.5 V AA batteries or optional rechargeable battery pack
Battery life	Up to 80 tests on batteries, up to 60 tests per cycle on battery pack
Operating temperature	+15 °C to +32 °C
Operating relative humidity	10 % to 85 %
Operating maximum altitude	4,300 m
Dimensions	231 x 97 x 43 mm
Weight	350 g (without batteries)
Connectivity	To computer/LIS/HIS through optional Handheld Base Unit
Patient/Operator identification	Integrated barcode scanner



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	· 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)

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



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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