

CoaguChek systems: a better choice for your patients – and your practice



Obtaining accurate PT/INR results quickly at the point of care helps healthcare professionals to make immediate therapy adjustments, discuss them with the patient, and document treatment decisions – all in one appointment. Multiple studies have shown that a systematic approach to anticoagulation management, focused at the point of care, may increase the time patients are in range and reduce adverse events.

Roche CoaguChek systems empower healthcare professionals to make immediate, knowledge-based on the spot adjustments of the anticoagulation therapy with **minimum inconvenience for their patients:**

- No need for venous sampling – only a drop of capillary blood from the finger tip
- Immediate results: immediate therapy adjustment and no need for a second consultation
- More independence and peace of mind: selected trained patients can test themselves anytime, anywhere

Since 1993, CoaguChek systems from Roche have set the standard for precision 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 therefore feel confident that you are making the right decision when selecting today a CoaguChek system for your practice or for your selected and trained patients testing at home.

You will find on this website much more detailed information on Coagulation Monitoring and on the various CoaguChek systems from Roche.

The CoaguChek XS system for patients:

small size and light meter, top or side blood dosing, on-board quality control on each strip and easy to use interface to ensure better safety and comfort

- **The CoaguChek XS Plus system for healthcare professionals:**
same features as for the CoaguChek XS system, but with extended quality control and data management options
- **CoaguChek XS Pro system for healthcare professionals working in a high throughput environment:**
same features as for the CoaguChek XS Plus system, but additionally with a barcode scanner for operator and patient identification, increasing workflow efficiency and safety.

All three meters show highly comparable results with each other, results from reference method recommended by the World Health Organisation (WHO) and with reference reagents used in central laboratories.

CoaguChek XS, CoaguChek XS Plus and CoaguChek XS Pro systems share the same technology, electrochemical detection system, and the same strips.

Plus the important advantages of a low (1.0) ISI, no Heparin (both Unfractionated and Low Molecular Weight) interference at therapeutic levels, long shelf life (up to 21 months from production) at room temperature and on board quality control on every strip in the measuring channel.

INR Monitoring has never been so easy!

CoaguChek® XS system

Measuring & sampling

Detection system	Amperometric (electrochemical) determination of the PT time after activation of the coagulation with human recombinant thromboplastin
User interface	Simple user interface with icon-based LCD and On/Off-, Mem- and set-Button
Sample application	Outside the meter top- and 2 sides: left or right,-dosing options

Operating Conditions

Temperature	+ 15° C to + 32° C (59° F to 90° F)
Humidity and height	10 - 85% - 4300 m

Placement	- First option: Operate the monitor on a level surface, free of vibrations - Second option: Hold the monitor in your hand, so that it is roughly horizontal
Measuring range	INR: 0.8 - 8.0
Memory	100 test results with time and date
Interface	Infrared
Power	Battery - Four 1.5v AAA alkali-manganese batteries
# of tests per set of batteries	Up to 300 tests or 2 years
Size	138 x 78 x 28 mm
Weight	127 g (without batteries)

Sample Material

Sample type	Fresh capillary whole blood or non-anticoagulated venous whole blood
Sample size	8 µl
Interference	Refer to the test-strip package insert.

Test strips

ISI	Approx. 1.0
Sensitivity to heparin	Not at therapeutic levels, up to 0.8 I.U/ml for UFH and to 2 anti-Xa U/ml for LMWH
Quality control	On each strip, through the same channel as the blood passes
Stability	21 months from production (+ 2° C to + 30° C)

Insert a test strip in the CoaguChek® XS system



Prick the finger with the CoaguChek lancing device.

Apply a drop of blood on the strip





After about one minute, read the result on the CoaguChek XS display

Result can be displayed in:

- INR
- Seconds
- % Quick