

CoaguChek[®] XS system

INR monitoring





Test your INR anywhere, at any time.

Patients on anticoagulant therapy need to determine their International Normalized Ratio (INR) value to ensure that their therapy is working properly. Since 1993, CoaguChek® systems have set the standard in Point-of-Care INR testing around the globe.

The CoaguChek XS system is a convenient, portable and user-friendly instrument for monitoring warfarin therapy. It determines the INR value from a drop of capillary whole blood – simple, precise and reliable.

Coagulation self-testing made easy.

Its exclusive technology helps ensure accurate results, and offers the flexibility and control that healthcare professionals need to confidently manage a wide range of patients improving significantly the quality of life of the patients.



The CoaguChek[®] XS system offers you...

Safety

- Onboard control on every strip in the measuring channel, with no need to run liquid controls.
- Frequent testing:
 - Allows timely dosage changes
 - Increases time in therapeutic range¹
 - Reduces adverse events.²

Independence

- The small, light and easily portable CoaguChek XS system can be used to test anywhere*, at anytime.
- Patients take control of their condition and can increase their quality of life.

Confidence

- Over 25 years of Roche experience in INR monitoring.
- Consistent results, with all tests coming from a single source.
- Trend analysis thanks to storage of up to 300 test results.

Comfort

- Accurate PT/INR results in 1 min.
- A small drop finger-stick sample – 8 µL of capillary whole blood.
- Easy sample application: top- or side-dosing options outside the meter for patients with limited dexterity.
- Easy-to-use - One-button operation.
- Large, easy-to-read display for patients with limited vision.

*Do not use the meter at an altitude higher than 14,000 feet (4,300 meters).

CoaguChek® XS system specifications³

| | |
|------------------------------------|---|
| Test principle | Electrochemical determination of INR after activating coagulation with human recombinant thromboplastin |
| Turnaround time | Approximately 1 minute |
| 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 minutes |
| Power supply | 4 x 1.5 V AAA batteries |
| Battery Life | Up to 300 tests or 2 years |
| Operating temperature | +15 to +32 °C |
| Operating relative humidity | 10% to 85% |
| Operating max altitude | 4,300 m |
| Dimensions | 138 x 78 x 28 mm |
| Weight | 127 g (without batteries) |

CoaguChek® XS PT test strips specifications⁴

| | |
|--|--|
| Sample size | 8 µL |
| Sample type | Capillary whole blood or non-anticoagulated venous whole blood |
| Blood application | Top- and 2-side-dosing options, outside the meter |
| Measuring range | 0.8-8.0 |
| International Sensitivity Index | Approximately 1.0 (in line with WHO recommendation) |
| Calibration | Master Lot calibrated directly against international reference method |
| INR reproducibility | Coefficient of variation < 4.5% for capillary blood |
| Heparin insensitivity | - Heparin concentrations up to 0.8 U/mL - LMWH up to 2 IU/mL anti-Xa activity |
| Hematocrit range | 25% to 55% |
| Quality control | On-board control on every strip in the measuring channel |

*Just a few easy steps & 1 min
to your INR results.*

1) Insert the test strip into the device.



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



3) Apply the drop within 15 seconds on the test strip.



4) Get your INR test result.

References

1. Matchar, D.B., Jacobson, A., Dolor, R., Edson, R., Uyeda L. et al. (2010). Effect of home testing of the INR on clinical events. N Engl J Med 363, 1608-1620.
2. 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.
3. CoaguChek® XS System [User manual]. Rotkreuz, Switzerland: Roche; 2021.
4. CoaguChek® XS PT Test Strips [Package Insert]. Rotkreuz, Switzerland: Roche; 2021.

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