

Point of Care PT/INR Testing CoaguChek by Roche

Support Line: 1-800-428-4674

Features:

- Provides highly accurate PT/INR readings at point of care
- Self-diagnostic check with each test ensures accuracy
- Portable – tester can bring the meter to the patient’s finger, simplifying use

Tips:

- Keep machine at room temperature. Don’t expose to extreme temperatures (hot or cold) for prolonged period.
- Always keep meter and strips in convenient carry case.
- Ensure strips are kept in container with stopper tightly closed to prevent damage to strips.
- Keep strips and strip container dry. Never open the container or remove or handle a strip with wet hands.
- Strip must be used within 10 minutes of removal from container.
- Code chip must match strips – check with each test.
- Wait until the 180 second count-down begins before performing the finger-stick.
- Use spring-loaded lancet for patient comfort and to ensure adequate blood drop.
- Always sample from side of finger for better blood flow.
- Never milk finger. Do not wipe away first blood drop.
- Always apply blood to strip within 15 seconds of finger-stick.
- Unit will beep when enough blood has been applied to the strip.
- Never add blood to sample once test has begun.
- If you must retest due to an error, use patient’s other hand unless medically contraindicated. If you must use the same hand, use a different finger.
- For patients taking Lovenox or heparin, test at least 3 hours after dose injection.
- Clean surface as needed with a 70% alcohol prep pad with unit powered off.
- Once per week, clean the test strip guide: Turn the unit off, remove blue cover, and cleanse the cover with a 70% alcohol prep pad. To clean interior of test strip guide, dampen a cotton swab with a 70% alcohol prep pad and cleanse area for one minute. Let air dry before replacing blue cover.
- Equipment is under warranty – report problems with your meter immediately to Facilities to get a replacement meter
- Be aware of your strip expiration date – located on strip container. Notify your manager if you have a large quantity of strips on hand that are due to expire shortly. Your manager may distribute the strips to other clinicians so that they can be used in time to avoid expiration.
- Out of range readings: If the result is less than 0.8 or greater than 8, the display will read “<0.8” or “>8.0”. Always repeat the test once with a new test strip and a new finger-stick from a different finger. If the result is still outside of parameters, draw a venous sample for processing at a traditional lab. Assess the patient for symptoms and notify the MD that the reading is outside of parameters, and

- request a stat lab if indicated. Follow up with the lab and/or MD to remain informed about the result and any further orders or follow up.
- Result displayed with a “c” in the lower right corner of the display window indicates that the patient’s hematocrit (Hct) is either too high or too low and may be interfering with test result. Repeat the test using a new test strip and blood from a new finger-stick and a different finger. Avoid milking the finger. If the “c” continues to display, notify the MD that the patient’s Hct level may be abnormal and may be interfering with the point of care INR test. Recommend a venous sample be taken for INR testing at a traditional lab. Recommend that the Hct also be tested. Follow up with the MD and/or lab to remain informed about the results and any further orders or follow up.

Error Readings

Error: Test Strip

- Display: Test strip along the bottom edge of the display window
- Meaning: a) An old test strip was retained in the meter from the previous test; b) the meter timed out before you were able to apply the blood sample; c) the test strip is unusable; or d) the test strip is not a CoaguChek XS test strip
- Solution: Remove the test strip

Error: Meter Temperature

- Display: Thermometer icon in the lower right hand corner of the display window
- Meaning: The meter is either too hot or too cold to measure correctly
- Solution: Power off the meter and allow to return to room temperature (between 59F and 90F)

Error: Battery

- Display: Battery icon in the lower left corner of the display window
- Meaning: The battery level is too low to operate the meter
- Solution: Replace the batteries

Error: Test Strip Guide Cover

- Display: Guide cover picture in the top center of the display window
- Meaning: The guide cover is not properly closed
- Solution: Fully close the guide cover

Error: Code Chip

- Display: “Code” appears in the upper left of the display window
- Meaning: The Code Chip is missing, not properly inserted, or damaged
- Solution: Check to see if you have the correct code chip for your container of strips. Ensure it is properly inserted in the meter. If the code chip is damaged, contact the office to see if we have any replacement chips with that code number available. If no replacement chip is available, you will need to turn in your strips and get a new supply with new code chip

Error: Code 3

- Meaning: Test strip has expired
- Solution: Check the strip container and confirm the expiration date of the strips. If it appears the strip has not yet expired, check the meter's date setting. If the date setting is incorrect, set the correct date. If this action does not resolve the issue, the strips may not be used and you must turn in the remaining strips and obtain a new container of strips and code chip

Error: Code 4

- Meaning: Test strip is unusable
- Solution: Power off the meter, remove the strip, and then turn the machine back on. Reinsert the strip. If the error continues to display, discard the strip and use a new one

Error: Code 5

- Meaning: Error applying blood to the strip
- Solution: Power off the meter and remove the strip. Repeat the test using a new test strip and blood taken from a new finger-stick from a different finger

Error: Code 6

- Meaning: Test strip was touched or moved during the test
- Solution: Power off the meter and remove the strip. Repeat the test using a new test strip and blood taken from a new finger-stick from a different finger. Do not touch or remove the test strip when a test is in progress

Error: Code 7

- Meaning: Measurement error caused by the blood sample. May be due to touching or removing the strip while the test is in progress (see also Error Code 6). May also be caused by not applying the blood drop to the test strip within 15 seconds of sticking the fingertip. **In rare cases, error 7 may appear due to a very high INR result (greater than 8).**
- Solution: Power off the meter and remove the strip. Repeat the test using a new test strip and blood taken from a new finger-stick from a different finger. Do not touch or remove the test strip when a test is in progress. A second error 7 reading is rationale for obtaining a venapuncture sample to be tested in a traditional lab setting. Due to the possibility of the patient having a very high INR result, assess the patient for signs and symptoms of bleeding, notify the MD of the need to perform a venapuncture test, and request a stat order. Follow up with the lab and/or MD to remain informed about the result and any further orders and notify the patient/caregiver.

Error: Code 8

- Meaning: An error occurred during the internal diagnostic test
- Solution: Power the meter off and remove the batteries. Wait at least one minute before re-inserting the batteries. Reset the date and time and then repeat the test, using blood from a new finger-stick from a different finger

Error: Code 9

- Meaning: Internal Error
- Solution: This error indicates possible damage to the meter. Call Roche Technical Service at 1-800-428-4674

Error: Code 000

- Meaning: The blood sample was not applied within the 180 second count down
- Solution: Do not apply blood to the strip once the countdown has been exceeded. Power off the meter and remove the test strip. Repeat the test using the same test strip and blood taken from a new finger-stick from a different finger.

Error: Code QC

- Display: “QC” appears in the lower center of the display window
- Meaning: The test strip failed the internal quality control check
- Solution: Power off the meter and remove the test strip. Repeat the test using a new test strip and blood taken from a new finger-stick from a different finger.