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| **CoaguChek Pro II (POCT) Prothrombin Time (INR)**  |

**POCT Equipment** Roche CoaguChek Pro II

**Clinical Indications** The CoaguChek Pro II meter is designed for use at Point of Care, to produce rapid Prothrombin Time (INR) results for healthcare workers treating patients on warfarin (Coumadin). It quantitatively determines PT (INR), using capillary blood from a fingertip or untreated non-anticoagulated venous whole blood.

**Sample Type** Capillary whole blood or non-anticoagulated venous whole blood.

**Sample container** Non-anticoagulated syringe

**Sample volume** Minimum sample volume is 8µL.

 There must be no air bubbles in the sample.

**Sample Handling** Fresh capillary samples (finger prick) must be applied to the test strip within 15 seconds.

 Collect venous whole blood samples in plastic anticoagulant free syringes. The first four drops must be discarded (within the first 10 seconds) prior to applying blood to the application site on the test strip.

**Special precautions** When a patient is on intravenous infusion therapy, do not collect sample from the arm receiving the infusion line.

**Turnaround time** A result is produced by the analyser within 1 minute of sample introduction.

**Measuring range** 0.8 – 8.0

**Limitations** The CoaguChek PT test is insensitive to unfractionated and fractionated heparin concentrations up to 3 IU/mL blood.

 Samples of patients treated with protamine sulphate cannot be tested with this system. Anti-phospholipid antibodies (APA) such as Lupus antibodies (LA) may prolong the PT depending on the type and concentration APAs. Anticoagulants other than vitamin K antagonists (e.g. hirudin, dabigatran, and other thrombin inhibitors, direct Factor Xa-inhibitors) may prolong PT. For such patients medical decisions should not be based on CoaguChek Pro II measurements.

 Samples can only be used once.

 If the test result is questionable or if clinical signs and symptoms appear inconsistent with the test result, re-test with a fresh sample or certain parameters may be confirmed by sending a sample to the laboratory.

**Training** The test should only be carried out by a trained member of staff. If you have not been trained, please see your ward-based link nurse, or contact the POCT team mse.POCT.btuh@nhs.net or mse.POCT.suhft@nhs.net