

Case Study Frimley Park Hospital NHS Foundation Trust

Point of Care blood analysis with secure audited remote bidirectional access

CPA accreditation requirements state that all point of care (POC) analysers are password protected to ensure only trained personnel have access and full audit trails are obtainable for patient safety purposes. In addition, the availability of secure remote bidirectional access to POC analysers is a key requirement to enable managers to easily and effectively monitor their use. Here we discuss how Pentra Safe is enabling Frimley Park Hospital NHS Foundation Trust to comply with these CPA requirements on its eight ABX Pentra 60C+ POC haematology analysers.

“Having the Pentra Safe solution offering full audit trails and secure remote bidirectional access means that the ABX Pentra 60C+ can be described as a true point of care analyser with its future horizons completely opened up”

Lynda Petley,
Point of Care Manager,
Frimley Park Hospital
NHS Foundation Trust

Frimley Park Hospital NHS Foundation Trust is the first in the UK to experience the benefits of fully audited remote bidirectional access to its ABX Pentra 60C+ Point of Care (POC) haematology analysers. Eight of these compact analysers from HORIBA Medical are used in various POC locations managed by the Trust's dedicated POC team. These include A&E, oncology clinics, a healthcare centre in Aldershot and a satellite community hospital in Lymington. This new solution enables the Trust to comply with CPA accreditation requirements by ensuring that password protected access and full audit trails are available for patient safety purposes.

“The functionality of Pentra Safe is a dream come true for a Point of Care Manager, since I now have complete bidirectional communication from my desktop with our ABX Pentra 60C+ analysers whatever their location,” said Lynda Petley, POC Manager at Frimley. “I can also monitor in real time exactly who and how they are using them to ensure that all users are fully competent and the analysers are performing optimally.”

Meeting CPA requirements is fundamental for all tests undertaken at the point of care, since it is essential to ensure that only trained personnel who can fully understand the correct operation of remote analysers have access to them. Guaranteeing the quality of results that doctors ultimately act upon is crucial to the safety of patients. All trained and approved users are allocated a unique barcode identifier by the Frimley POC team to securely access an analyser's operating system via Pentra Safe. Any users not meeting the strict competency standards required can be immediately locked out until they are retrained by the POC team who monitor results' quality on a daily basis.

“Having full audit capability via Pentra Safe means that we are able to police all our POC haematology analysers and the competency of the individual users, meaning that we



Eight compact ABX Pentra 60C+ haematology analysers located in both primary and secondary care settings are all managed by the Trust's dedicated POC team using Pentra Safe

can be completely confident in our compliance with CPA requirements and of course quality of results produced,” continued Lynda Petley. “We have found this crucial in an A&E environment for example, where there is a high turnover of junior doctors who all require constant training and assessment. Our ability to withdraw access rights for a particular barcode identifier gives us the teeth we require to be able to close the training loop.” In addition to the password functionality of the Pentra Safe, which also locks the analyser's screen after it has been idle for a user defined time period, the new solution also enables fully secure remote access for POC Managers to all ABX Pentra 60C+ under their supervision.

“The bidirectional access functionality means that I can access all files and run an analyser as if I were in front of it, except for physically loading samples. This means that I can not only observe in real time performance of users and view patient results, but I can also monitor reagent levels, instigate a cleaning cycle and even monitor the Quality Control performance of the system as required,” added Lynda Petley. “This functionality has proven invaluable by enabling me to monitor from my office in Frimley, Surrey, our

ABX Pentra 60C+ in our satellite lab at Lymington Community Hospital in the New Forest!”

The POC team at Frimley Park has been using ABX Pentra 60C+ analysers successfully for a number of years. In addition to its small footprint with five-part differential analysis, the outstanding technical capabilities providing consistently accurate results are what make the ABX Pentra 60C+ an ideal analyser for the many POC locations at Frimley. This fully reliable POC haematology analyser has enabled the Trust to meet: 4 hour TAT's in A&E, create 'one stop shop' oncology clinics, minimise chemotherapy drug wastage and maximise on patient convenience by offering full blood counts in satellite locations.

“The ABX Pentra 60C+ has already proven to be a highly successful haematology analyser in POC locations. Now having the Pentra Safe solution offering full audit trails and secure remote bidirectional access means that the ABX Pentra 60C+ can be described as a true point of care analyser with its future horizons completely opened up,” concluded Lynda Petley.

Analysis **Anywhere**

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