



Peterborough City hospital is the hub for North West Anglia Pathology Service which includes Peterborough City, Hinchingbrooke, and Stamford Hospitals. Receiving around 1.5 million samples per year across all disciplines, they perform approximately 5 million tests in support of community health and public health needs within Cambridgeshire and South Lincolnshire, UK.

Optilite® Solution

Future Proofing Our Plasma Proteins Service

Challenged with an ever increasing Freelite® assays workload on a routine clinical chemistry system, Faye Sims, a Senior Biomedical Scientist with over eight years experience explains why they turned their focus to the Optilite solution for their laboratory.

The biggest benefit we have seen is to our workflow. We can run Freelite assays more often and ensure the clinicians have the results in a timely manner to aid patient care.

Faye Sims, Senior Biomedical Scientist
Peterborough City Hospital, UK

With over 1100 Optilite analysers worldwide, many laboratories globally are experiencing:

- ✓ Optimised workflow with automatic sample dilution to end result.
- ✓ Confidence with robust antigen excess protection and low requirement for service engineer visits.
- ✓ Enhanced efficiency with a comprehensive assay menu and consistent throughput (120t/hr), regardless of assay mix.



As we wanted to retain Binding Site Freelite assays, we needed to look into alternatives

We were originally running Freelite assays on a Roche cobas c501 system in Clinical Chemistry as part of our Immunology service, however with the age of the instrument we were due a change. This included moving the Clinical Chemistry assays onto a c701, which is why we started looking at the Optilite analyser.

We needed an analyser that could run these special protein assays quickly and efficiently, which led to the decision to move them to the Optilite as a stand alone analyser- The biggest benefit we have seen is to our workflow

With the Optilite analyser, there is no longer a need to interrupt the rest of the Clinical Chemistry work to run the Freelite assays; which involved performing manual dilutions, re-dilutions and checking these, all of which are time consuming tasks. In addition, we tried to minimise the impact on the workload and staff time on the Clinical Chemistry systems by limiting the analysis of Freelite assays to once a week. Now the Optilite system gives us the independence to run these assays anytime and urgent samples are analysed as needed.

As a result, we have seen an increase in requests from clinicians. Having the Optilite analyser means we can run Freelite assays more often, ensuring clinicians have the results in a timely manner ensuring the best patient care.

Automatic dilutions to end result saves us a lot of time and eliminates the needs to have regular manual dilutions, or have them checked

We are yet to find any disadvantages with the Optilite system, I think it has actually made our lives much easier and helped the department manage the workload better. Now we are able to utilise the time saved from the manual dilutions required on the cobas c501, to discuss the results within the department before reporting. We are contributing more to the clinical teams who are managing the patient's myeloma diagnosis and monitoring.

With the Optilite analyser, we have noticed a significant improvement in our day-to-day sample processing, which has resulted in a more optimised workflow in both the Clinical Chemistry and Immunology departments

Since the Optilite system runs special protein assays efficiently and effectively, we are able to look at the possibility of adding other assays to our repertoire.

We also thought it would be beneficial to have the assay and the instrument coming from the same company. This is reinforced by the brilliant customer service, technical support and account management we have seen from The Binding Site. It really does make a difference for us.



Find out how your laboratory can benefit by contacting info@bindingsite.co.uk or visiting www.bindingsite.com



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