

Clinical Chemistry

Maybe it's a cliché, but I love Indiko Plus!

Cost-efficient, easy-to-use clinical chemistry analyzer

“Thermo Scientific™ Indiko™ Plus helps us provide our patients with reliable results at an affordable price, which leaves them satisfied and enables us to run the laboratory in a cost-efficient way.” This is how Anca-Catalina Şipoş, medical doctor and laboratory manager, describes their clinical chemistry analyzer in use at the DobsiMed laboratory.

The laboratory is located in Medias, Romania, a small town of 44,000 inhabitants. “Our aim is to provide quality service to our patients by using high-quality instruments”, says Dr Şipoş.

“The biochemistry tests are the most important assays in our laboratory, and for this work the Indiko Plus is indispensable. It is easy to operate, it works with very low reagent volumes, its water consumption is low, and it uses a small number of

controls and calibrators. The water consumption of the Indiko Plus is half that of our old instrument”, states Dr Şipoş.

Fast and easy to operate

Indiko software is logical and easy to understand and use. “It is fast to work with. We can load the calibrators, controls, and patient samples quickly and start the analysis straight away. Due to the bidirectional interface, it is easy to connect it to any LIS. The start-up is very quick. Ten minutes is enough to get the instrument up and running for the daily work”, explains Dr Şipoş.

Reliable results

Dr Şipoş is very happy with the optical system of the Indiko Plus. “This results in excellent reproducibility. In addition, the instrument uses disposable cuvettes, thus eliminating interference. Our results are truly accurate. We have very good results in the repeatability and reproducibility of the controls. They give us confidence in the patients' results.”

The laboratory processes approximately 20-40 samples per day. “The instrument's capacity is more than that. It could process more samples, but most important to us is its quickness and reliability. The software enables us to easily get an overview of the Levey-Jennings quality control charts, and it ensures that we apply the Westgard rules.”

Real-time results validation

The Indiko Plus can inform the results according to sample or test mode. “If we choose the sample-oriented mode, once the instrument has completed the tests requested for a particular sample, the results appear on the screen at the same time and the data is transferred to the LIS. It’s very easy for us to see if an additional analysis is needed to clarify the patient’s diagnosis”, explains Dr Şipoş.

Top-quality reagents

“We have been pleasantly surprised when we started using the HbA1c reagent”, says Dr Şipoş. “Our previous system was unreliable. The results did not match the clinical data or the requirements set by external quality controls. Since we have been using Indiko Plus, our results match clinical requirements and are in accordance with external quality controls.”

Robust and maintenance-free

The installation of Indiko Plus took one day, and the connection to LIS was flawless and was completed in 30 minutes. “Daily maintenance of the equipment is very easy because you only have to wipe the surfaces. The monthly maintenance takes only 30 minutes because the tube washing is very fast. Service maintenance is only required once a year. In the 2-1/2 years we have been using Indiko Plus, we’ve experienced problems only once. But the service was fast and efficient, which left us very satisfied”, as Dr Şipoş describes the robustness and support of Indiko Plus.

“I can happily recommend Indiko Plus because it is very reliable; repeatability and reproducibility are very good; its optical system is excellent; and in terms of consumption, it operates with a very small number of reagents, calibrators, and controls. This results in a low cost for analyses. ”

—Anca-Catalina Şipoş, Medical Doctor and Laboratory Manager

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