

Video Transcript:

Global success stories in automated pre-analytics

Before-and-after story Medilab,
Salzburg, Austria



“By increasing speed with fully automated solutions and Roche Healthcare Consulting, we succeeded in providing patients with the best possible care”

- Dr. Maria Elisabeth Mustafa,
Medicinal Head, Medilab

The Corona pandemic has affected not only our lab, but the entire world in every way. It was practically from one day to the next that we required to measure far more than 1,000 samples a day.

In the meantime, it has suddenly become a few thousand samples a day. Until then, this was not the norm in molecular biology laboratories, at least not in Austria.

At the moment, Covid samples dominate our daily laboratory routine, and we are also able to process the usual samples. The most time-consuming sample preparation is that of the HPV samples.

At the moment, unfortunately, most of it is still manual. Every manual step in this whole sample processing can be a source of error, where of course also human errors can happen. And in the worst case such errors are not detected until the end. Which is, of course, the worst-case scenario.

Of course we work to the best of our knowledge, but what we would like, of course, is to be able to place, as in other automatic solutions, the tubes directly in the devices, so that sample identification is ensured.

In the end, of course, it's about providing the best possible service for the patient. Patients don't want to deal with laboratory analytics and laboratory findings as much as doctors don't, but this is a service that's easy to provide with minimal effort for the person using it.

By increasing the speed to fully automated solutions and by consulting Roche Healthcare Consulting, we succeeded in providing our patients, who are at the center of our thinking, the best possible care, and thus also with our colleagues to find the best cooperation.

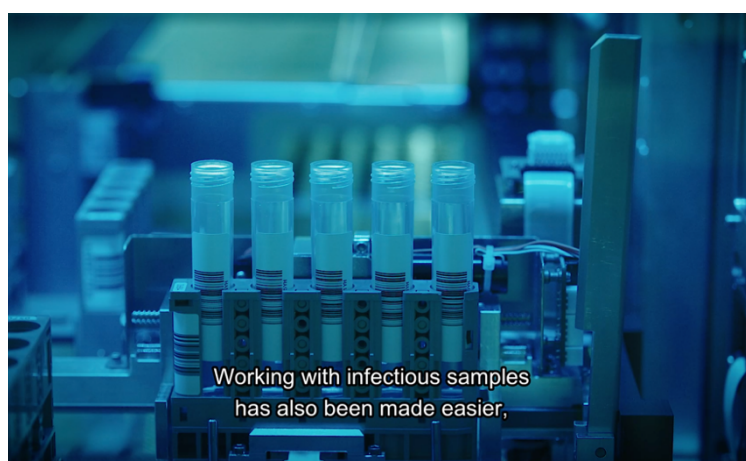
The installation of **cobas® prime** and the automated sample preparation has dramatically reduced the hands-on-time. This has meant that results have been available more quickly.

Working with infectious samples has also been made easier, because we no longer have to open and close the samples, but that has been taken over by **cobas® prime**.

Yes, we use the **cobas® prime** mainly for HPV analyses, because the time savings are greatest here compared to the manual workflow.

The workflow now looks like this:

We load the samples into the instrument, then load the instrument with the necessary consumables, and the rest takes care of itself.



And as soon as the sample preparation is done, the samples run directly over our road to the **cobas® 6800**, and as soon as a complete patch comes together, the run is started automatically.

And what you also have to remember is that because of the prime, we now have automated sample documentation. That means we can view an information system in our lab at any time: When did a sample come into the device and thus estimate when the findings will be ready.



The strategic outlook for the future of our laboratory has undoubtedly improved thanks to **cobas® prime**.

I see this as an opportunity to make better use of our highly specialised staff in the field of molecular diagnostics.

[Find out more](#)

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