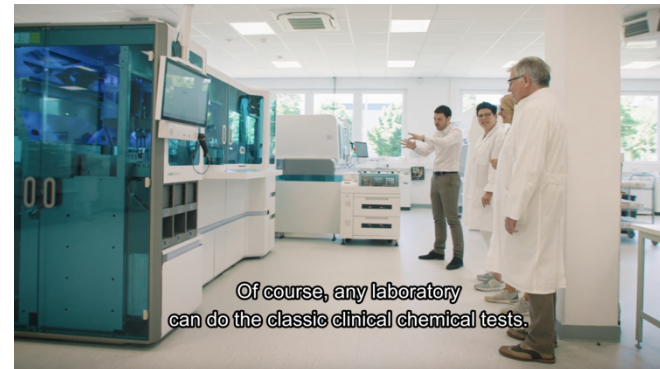


## Video Transcript:

# Global success stories in automated pre-analytics

Before-and-after story MVZ Labor,  
Wurselen, Germany



Of course, any laboratory  
can do the classic clinical chemical tests.

*“We will continuously focus on the molecular track and this will be one of the main components for our future business development”*

**- Joseph Van Helden,**  
MVZ Labor

The analytics are a major issue in every laboratory, in particular at present in molecular diagnostics, as we have very long runs with COVID-19 diagnostics, with up to 1,000 samples per day.

To some extent, these need to be prepared and unscrewed manually, which puts a lot of physical strain on members of staff.

As a result, we are striving for an automated solution in order to avoid the confusion of samples or other pre-analytical errors. The sample preparation is dependent on the sample material which is sent to us.

There are basic samples, for instance chlamydia, influenza or corona viruses, which are placed on the automated device for immediate analysis.

Papillomaviruses are particularly time-consuming, as they require centrifugation and boiling up, followed by a second centrifugation, before they can be placed in the device.

In the light of the current situation in which we are pipetting many things manually, we need to be very careful not to cross-contaminate, as to not transfer anything from one sample to another, to not make any pipetting errors in general, and to not have any mix-ups when transferring a sample from one tube to a secondary tube.

This is very error-prone nowadays, which could be avoided almost completely by automation. As you've heard from the testimonials, there is a lot of issues to be addressed in the lab, and that's where consultancy can help you.

Based on our experience, we have Developed new tools and methodologies that help in working together with the customers to design customised solutions that deliver the immediate needs and be ready for future goals.

Since we have the **cobas® prime** here with us, we only need to unpack the samples, label them, and then they are placed on the multi-trays of the **cobas® prime**, and fill the machine once with reagents and consumables, and from there the samples are pipetted into secondary tubes and pre-texted, heated, cooled, centrifuged...

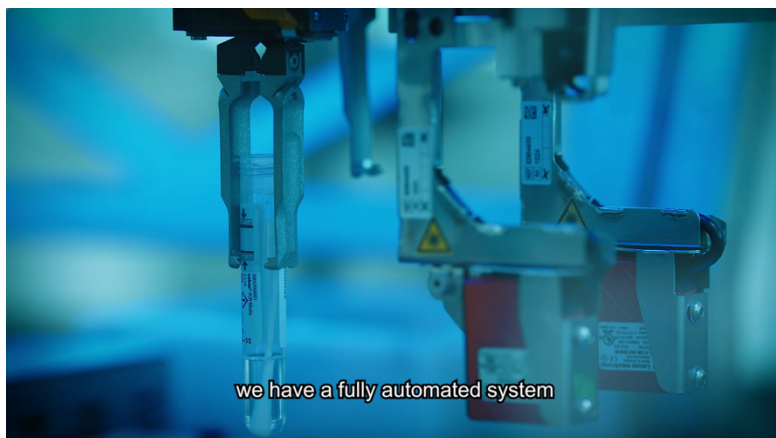
We don't need to do all that any more, the **cobas® prime** does it all for us.



Our work process has changed so that we have far fewer sources of error. People make mistakes, we can get confused by pipetting or barcodes or whatever.

That's impossible with the **cobas® prime**. There is much less risk of contamination, because we don't even open the samples.

Everything is done in the instrument, therefore there is no human contamination. The **cobas® prime** is a benefit for the lab, because we can analyse a lot of samples at once.



It saves a lot of time, and we have a fully automated system that can also work together with other Roche equipment, which has ultimately led to a fully automated work process in the laboratory.

**Cobas® prime** can of course also change our strategy in the future. We can now focus to a large extent on offering molecular tests.

This is certainly also the growth market of the future.

Of course, any laboratory can do the classic clinical chemical tests. We will strategically focus on the molecular track, and this will be one of the main components for our future business development.

[Find out more](#)

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Roche Molecular Systems  
Pleasanton, California 94588, USA  
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