



Skåne University Hospital, Malmö

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Petter Hannerz, Business Developer/Strategist,  
University and Regional Laboratories Region Skåne

## Fast transport of blood samples optimises flow and response times

Skåne University Hospital, Malmö has 600 beds and is one of the biggest hospitals in the region of Skåne in Sweden.

After years and years of walking and transporting samples in elevators from the sample reception and blood collection function situated at the ground floor, the hospital was looking at finding a more effective way to transport the blood samples in the hospital.

The Management of Laboratory Medicine Region Skåne decided to invest in a Tempus600 Vita and to trial a Tempus600 Necto, because they thought it was the perfect answer to the hospital's search for fully automatic handling, transport, and analysis of small clinical samples.

### High throughput and even flow of samples

Necto was installed in the hospital's sample reception unit in the ground floor, where it is used to transport incoming blood samples from General Practitioners and blood samples taken from patients in the hospital and departments.

The samples are registered and inserted into the system, which organises and sends the samples to laboratories on the 2nd and 4th storey, respectively. In total approximately 5,000 samples flow through the sample reception every day.

“The benefit of Necto is that we manage large throughput and send the samples at an even flow, so that the laboratories receive the samples at an even flow,” says Petter Hannerz, Business Developer/Strategist, University and Regional Laboratories Region

Skåne, and responsible for the automation project at the laboratories at Skåne University Hospital, Malmö.

### New workflow reduces response times

Today, the turnaround time of analyses performed in the 24/7 laboratory is set to maximum 2 hours for routine samples and 1 hour for urgent samples. That is the time from when the samples are registered until the analysis results from the laboratory are ready. Response times for samples that are sent from the emergency department using the Vita directly to the laboratory are most often shown to be under 60 minutes, but now from the time the sample is drawn to results are ready.

### The challenge

Optimise the transport of samples from the emergency room and incoming samples from general practitioners.

### The solution

Implement Tempus600 to automate the handling and transport of small clinical samples.

### The benefits

Effective control of high throughput of samples

Improved workflow in the ward and in the laboratory

Reduced response time

Integration with other sample and IT systems for improved routines and processes