

Tempus600[®] – The concept

Efficient patient discharge through reduced turnaround time
for small clinical samples



Sample transport

Imagine your future hospital

Want to improve patient treatment while increasing efficiency at your hospital?

Drawing a blood sample that arrives seconds later in the laboratory would do exactly that. With Tempus600® solutions, it is now possible from any hospital location.

The installation takes just two weeks and does not interfere with daily operations.

Tempus600® is a system dedicated to one-touch handling and lightning fast transport of small clinical samples such as blood, urine and swabs. Faster than ever and easy to use for all staff. On average, at least 75 percent of the items dispatched through traditional tube systems are blood samples. Transporting those samples through the Tempus600® system dramatically reduces the burden on existing pneumatic tube systems.

Meeting future demands

Public health care expenditure is under increasing pressure. Hospitals across the world must deliver considerable savings while improving the quality of care.

SOLUTIONS

Tempus600® helps hospitals achieve this by reducing the turnaround time for small clinical samples dramatically, leading to discharging ambulatory patients faster and starting correct patient treatment earlier.

4 major advantages



Improved and predictable turnaround time

- Fast and predictable point-to-point delivery
- Crucial reduction of the total turnaround time (ToTAT)
- Faster decisions leading to better treatment



Free up resources

- Faster discharge of ambulatory patients and better patient treatment
- One-touch handling frees up resources
- Staff can concentrate on primary tasks



FIFO (First In, First Out) / Lean

- Supports Lean Thinking through new working routines
- Evens out peaks, providing an even flow of samples, reducing the need for analytical capacity
- Reduces the need for potential POCT equipment



Reliable – Easy to use

- Two weeks installation – even in existing buildings!
- The system and pipelines require very little space
- Uptime above 99.93% – minimal maintenance required

Challenges

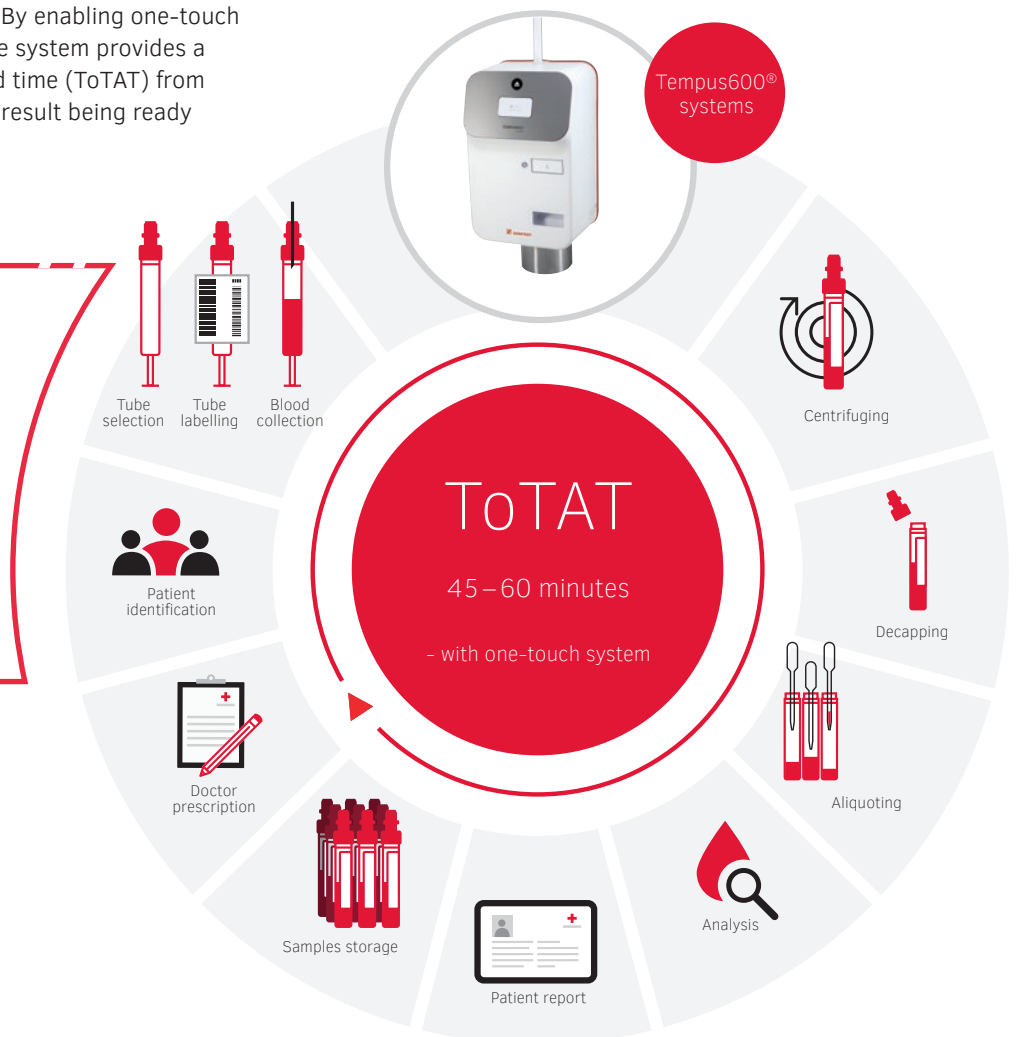
Time is a major factor in terms of overall efficiency of sample transportation. However traditional transportation of small clinical samples from departments to laboratories remains unpredictable with high variation.

Solutions

The Tempus600® is specifically developed to increase the efficiency of sample transportation. By enabling one-touch handling and point-to-point delivery, the system provides a crucial reduction of the total turnaround time (ToTAT) from when the test is ordered to the analysis result being ready and reported to the clinician in charge.

Benefits

Tempus600® supports the transition towards increased ambulatory treatment in hospitals and clinics, whilst at the same time enabling efficient treatment and discharge of hospitalized patients.



Samples are dispatched in Tempus600® Quantit.



Samples are received in the Tempus600® Connection Module or the Receiving Tray in the laboratory.





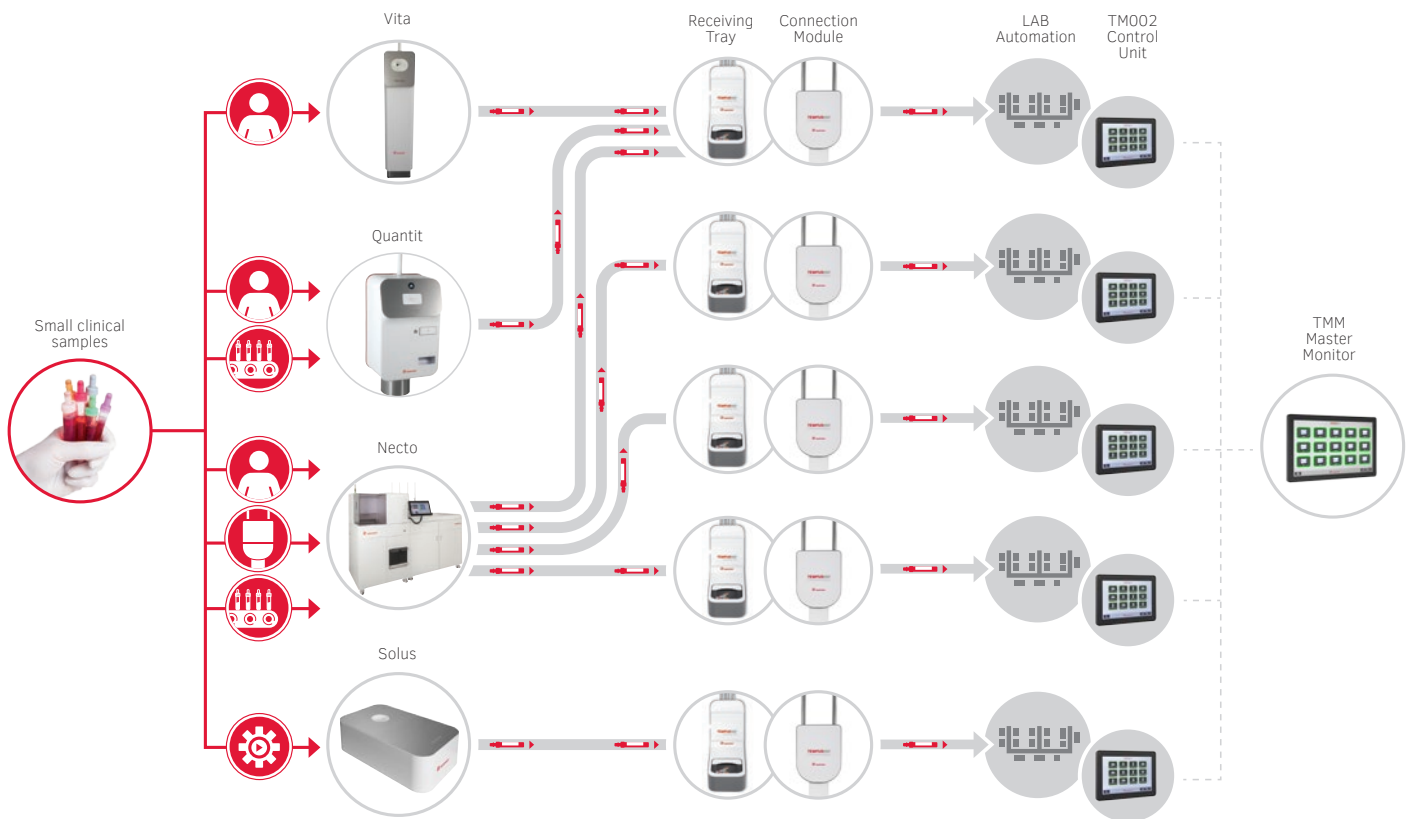
A closer look at Tempus600®

The Tempus600® system is a dedicated point-to-point line of 25 mm tubes, with no cross points in the system and, therefore, no risk of blocking samples. Samples are brought directly from the floor to the laboratory in a few seconds without any packing and unpacking of samples, delays or misdeliveries.

It is like having a laboratory right next to the patient.

With a capacity up to 1250 samples per hour, a Tempus line will significantly reduce the pressure on existing transport systems and release capacity for transportation of other items than small clinical samples.

A standard Tempus600® system has a maximum length of 600 meters. Longer systems must be approved by SARSTEDT ApS.



Connecting blood transport to lab automation

No matter what equipment you currently have or plan to install in the laboratory, it is fully compatible with Tempus600®. The system can be directly connected to sorters and laboratory automation systems from manufacturers and IVD companies from around the world, optimizing the input of samples and making the Tempus600® solution a key component in the pre-analytical process.

We work closely with manufacturers

We have a longstanding and positive collaboration with a range of sample tube manufacturers, ensuring our role in future development.



2 weeks installation time without interrupting daily operations

When assessing the investment of new technology and the influence it can have on daily operation, there are many areas to evaluate. Because of that, we have gone out of our way to eliminate all areas of risk.

Fast and easy installation

Tempus600® does not take up much space and is easy to fit into existing buildings and departments. The systems can be installed in any existing hospital or building in just 2 weeks, without the need to do any construction changes.

Easy to relocate

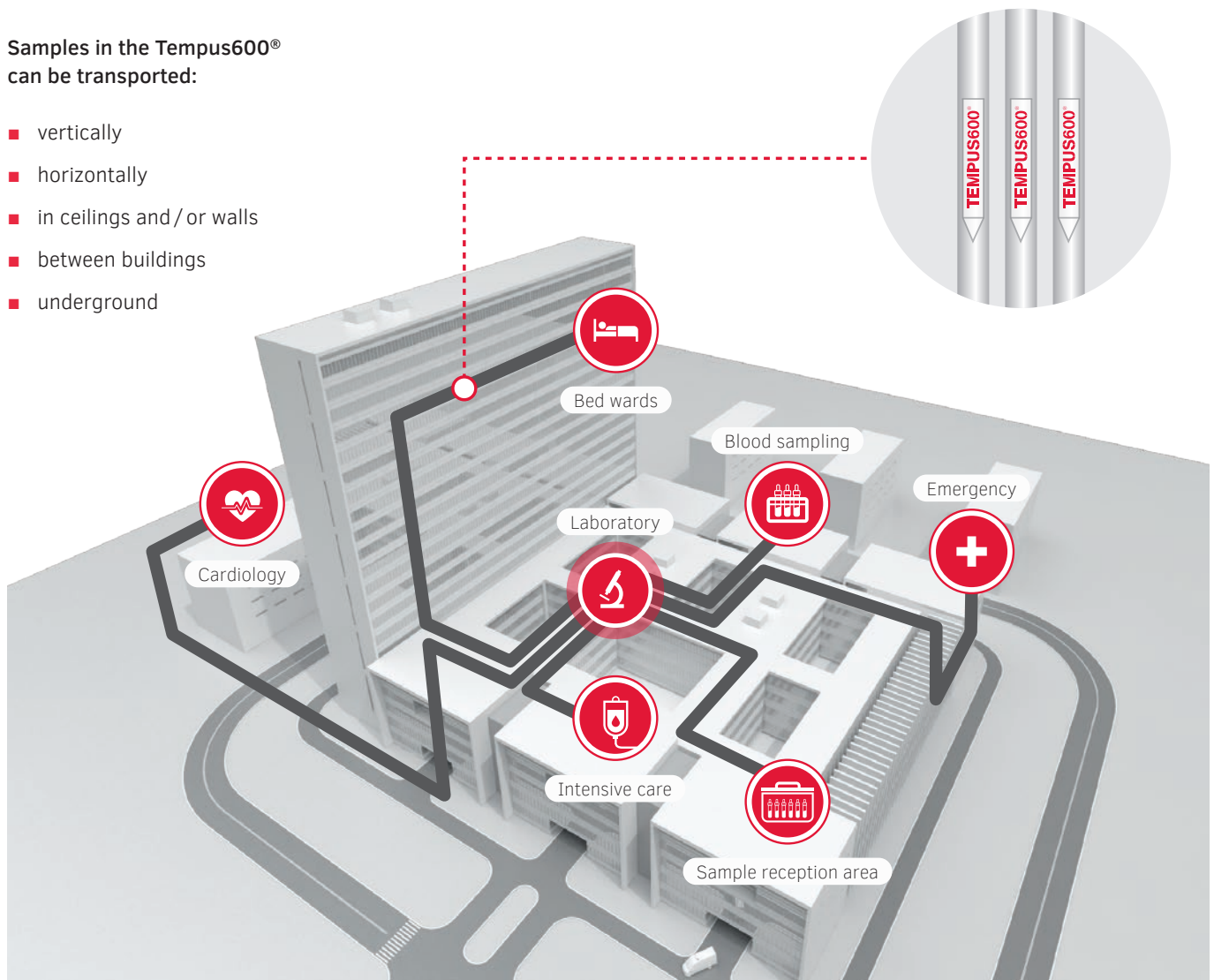
Should it become necessary to relocate, systems and tubes can be reused and moved without difficulty to a new place in a different building or another part of the hospital.

Avoid interruptions to daily operation

Furthermore, we have made sure that installation can be done without any interruptions to the existing transportation system, meaning that you can uphold all daily routines and production / operation during installation and commissioning of the system.

Samples in the Tempus600® can be transported:

- vertically
- horizontally
- in ceilings and / or walls
- between buildings
- underground





Highlighting benefits

Free up hands and competencies

When hospital staff no longer have to deliver samples by hand or in batches in the traditional transport system, valuable skills and competencies are liberated. Nurses have more time for patients, and lab technicians can focus on taking and analyzing clinical samples. This ensures better results and, ultimately, better and faster treatment.

Reduce pressure on existing transport systems

As Tempus600® can be installed in combination with traditional transport systems, it can help reduce the pressure on existing systems dramatically by freeing up capacity for deliveries other than small clinical samples.

A dream for the technical department

Developed, designed and produced in Denmark, Tempus600® solutions promise nothing but the best when it comes to quality of the equipment. Tempus600® solutions are extremely reliable to run. With an impressive uptime of 99.93%, operating costs are considerably reduced. In addition, our support team is capable of performing the vast majority of trouble shooting remotely.

Free up economic resources

The fast and dedicated pipeline of Tempus600® ensures optimal use of laboratory and analytical capacity and eliminates the need for remote laboratories. That means faster analysis, faster and better treatment of patients and a significant reduction in length of stay.

Optimize your sample flow and save time

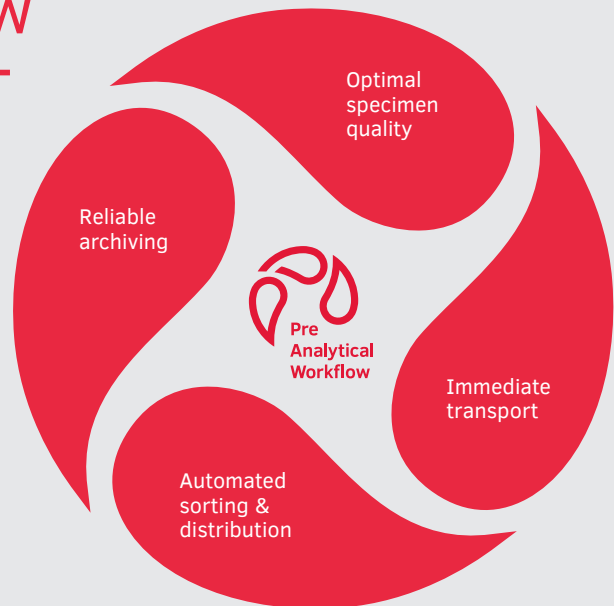
Regardless of whether you need a single system or a comprehensive hospital-wide concept, you can integrate Tempus600® and expand it later to meet new requirements. The flexible and scalable systems make it possible to combine complete logistics solutions for every setup, so the entire sample flow is streamlined and optimized.

If you have any questions,
we'll be happy to help!

Visit our website: www.sarstedt.com

Pre-analytical workflow powered by SARSTEDT

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of our synchronized systems.



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