

To make your
workflow excellent.



Now we go more than the extra mile!

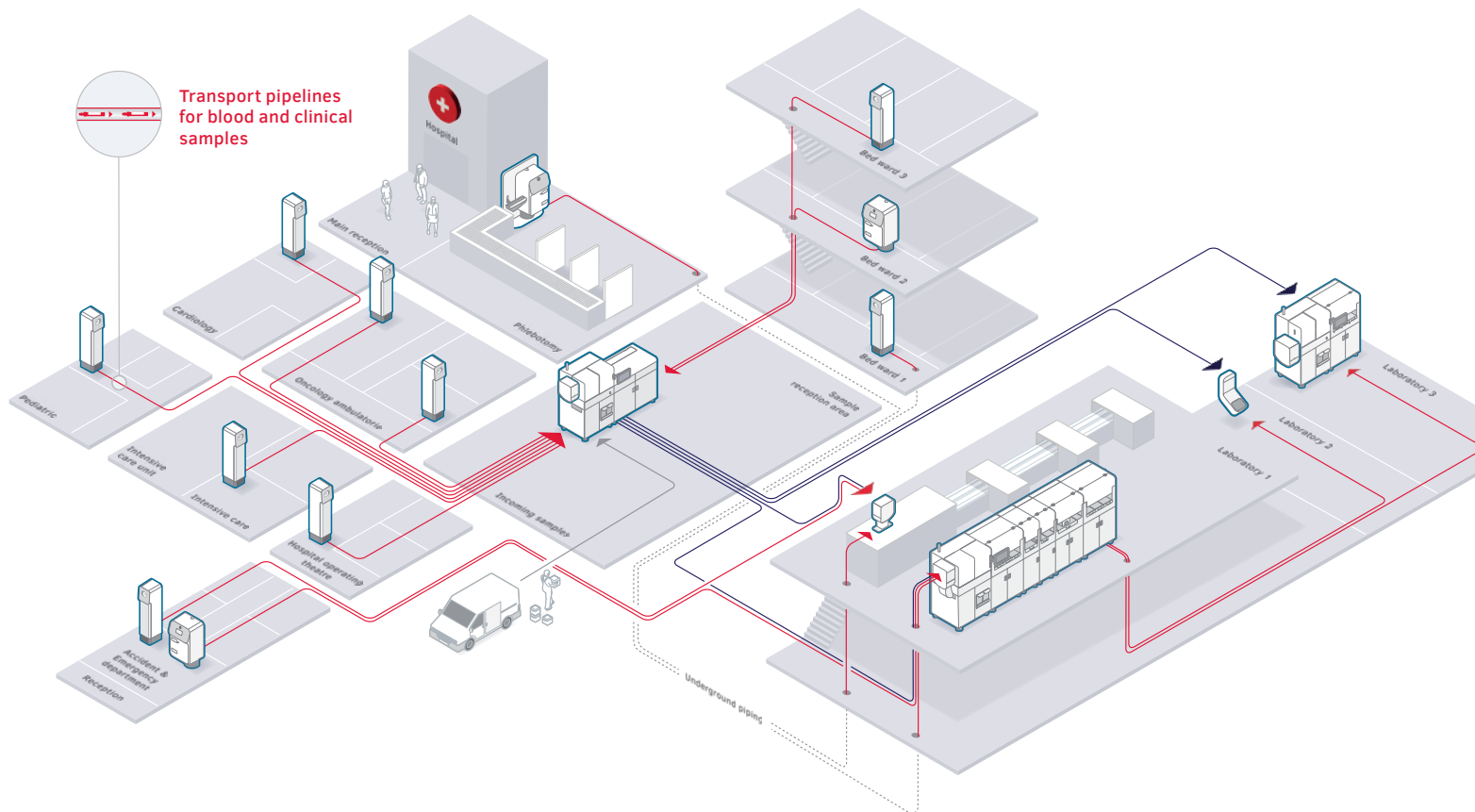
Faster, farther, gentler:
Tempus1800® – automated one-touch sample handling



Sample Transport

Redefining Hospital Efficiency

Elevating processes for a healthier tomorrow



Introduction to Tempus1800® technology

The Tempus1800® is an innovative technology that revolutionises the transport of small clinical samples in hospitals. Compared to its predecessor, the Tempus600®, it extends the transport range up to 1,800 metres, increasing efficiency and allowing remote departments to be integrated into the optimised system.

Increased efficiency thanks to the one-touch system

At the heart of the Tempus1800® design is the One-Touch system, an intuitive and revolutionary approach to sample handling. Thanks to the one-touch system, samples are sent securely to their destination without human-to-human sample transfer and time-consuming manual steps, minimising the risk of errors. This not only increases efficiency, but also contributes to a higher quality of care, as critical results are available more quickly, enabling swift decision-making.

The Tempus1800® offers:

Tempus1800® technology offers a precise and innovative solution to the challenges of sample logistics in hospitals. It enables:

- Unrivalled speed and efficiency with minimal human intervention.
- Reliability and scalability to meet growing demands in dynamic healthcare environments.
- Improved patient outcomes through faster and more reliable diagnostics.

The Tempus1800® is more than just a technology upgrade; it represents a commitment to shaping the future of healthcare. It marks the beginning of a new era of hospital efficiency – a system that optimises processes for a healthier future.



Power-packed with innovation



What sets Tempus1800® apart

In the fast-paced healthcare industry, efficient transport of clinical samples is critical. The Tempus1800® revolutionises transport by delivering samples via dedicated lines up to 1,800 metres long. This avoids bottlenecks and ensures uninterrupted transport. The user-friendly one-touch system reduces errors and optimises workflows. With faster transport times, seamless integration into the hospital infrastructure and scalable design, the Tempus1800® supports the increasing demands of the healthcare sector. It is durable and low-maintenance, which reduces costs and downtime.

The most important advantages of Tempus1800®:

- **Farther:** New extended transport distance of up to 1,800 metres
- **More:** Greater variation of samples, from 12–18 mm up to 1,800 m, 11 mm samples with restrictions
- **Less:** Average 33% less power consumption per sample sent
- **Gentler:** Careful transport for minimal sample impact

The Tempus1800® redefines sample logistics, empowering hospitals to deliver care with greater precision and speed.

TEMPUS1800®



For further information
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tempus1800-en](https://sarstedt.com/tempus1800-en)

Benefits for hospital managers and medical staff

For hospital managers, the Tempus1800® represents a future-proof investment in optimised processes that support laboratory technicians and doctors in their work. The system ensures reliable results in less time, contributing to improved patient outcomes.

A cost-efficient and scalable solution

An investment in efficiency and sustainability



Equipped for today's challenges

Hospitals today face the challenge of combining operational efficiency, cost management and sustainability goals. The Tempus1800® offers a modern solution for the efficient, scalable and environmentally friendly transport of clinical samples. The ability to transport samples via dedicated lines of up to 1,800 metres eliminates delays and inefficiencies. Through seamless and direct transport, the Tempus1800® improves workflows in all hospital departments, enabling faster diagnostics and better patient care.



Focus on what really matters:
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Offers exceptional flexibility

For architects, planners and project managers, the compact and modular design of the Tempus1800® offers exceptional flexibility. With a tube diameter of just 25 mm, it also takes up little space and can be installed in existing hospital infrastructure as well as in new build projects. Thanks to the short installation time of 2 weeks, the Tempus1800® is quickly ready for use.

A futureproof investment

From a cost perspective, the Tempus1800® is designed for long-term savings. Its robust engineering minimizes maintenance requirements, reducing downtime and associated expenses. Furthermore, its energy-efficient operation supports environmental sustainability while contributing to lower operational costs, making it a smart and futureproof investment.

The Tempus1800® redefines hospital logistics. It's not just a system; it's a strategic step toward building smarter, greener, and more resilient hospitals.

Precision meets performance

Designed for the high demands of laboratory work

In modern laboratories, precision and efficiency are paramount. The Tempus1800® was developed to meet these exacting standards, offering a transport solution tailored to the high-pressure environment of laboratory operations.

For faster turnaround times

The Tempus1800® is capable of transporting samples over distances of up to 1,800 metres and ensures direct, uninterrupted delivery. This avoids delays caused by split or complex routes, resulting in faster turnaround times and more reliable results. Laboratory managers will appreciate the system's user-friendly one-touch function, which minimises handling errors and reduces manual effort. These features not only optimise the workflow, but also ensure that samples arrive intact and ready for immediate analysis, preserving their integrity and making the entire work process more efficient.

With the Tempus1800® Necto solution it is possible to automatically prioritise and pre-sort samples according to analysis tracks.

Seamless integration

The Tempus1800® integrates seamlessly with laboratory automation systems, creating a synchronized environment for maximum efficiency. Its low maintenance requirements and durable design translate to fewer interruptions, allowing laboratories to maintain focus on their core mission: delivering accurate, timely results that drive better patient care. By combining high precision with exceptional performance, the Tempus1800® empowers laboratories to meet rising demands while maintaining the highest standards of quality and reliability. It's the perfect partner for labs striving for excellence in every aspect of their work.





Faster diagnostics for best treatment



Empowering physicians with timely results

Accurate, timely diagnoses are crucial in rapid patient care. The Tempus1800® was developed to speed up the diagnostic process and quickly provide doctors with the information they need to provide the best treatment.

Efficient sample logistics and faster collaboration with Tempus1800®

Thanks to the system's ability to transport blood samples and other small samples over distances of up to 1800 metres, departments and laboratories can work together efficiently, avoiding delays and shortening turnaround times. The one-touch system simplifies the dispatch of samples, reducing the time and labour required for logistics. This

efficient Tempus1800® process minimises errors and ensures that even urgently needed samples arrive at the laboratory quickly and intact.

Fast diagnoses for better patient care

Physicians benefit directly from the speed and reliability of the system. Faster diagnoses mean earlier interventions, better treatment planning, and improved patient outcomes. In critical cases, every second counts, and the Tempus1800® ensures that no time is wasted in delivering the information necessary to save lives. By bridging the gap between departments and laboratories with precision and efficiency, the Tempus1800® empowers healthcare teams to work at their best, supporting faster diagnostics and better care for every patient.

Streamlined workflow, focused on patients

Less time on logistics, more time for patients



Efficient healthcare requires seamless collaboration between departments, laboratories and management. Tempus1800® optimises workflows, reduces logistical burdens and creates time for what is important: patient care.

Fast, reliable sample transport

The Tempus1800® ensures that samples arrive on time and in perfect condition for immediate analysis. With reliable transport up to 1,800 metres, delays are minimised, enabling faster turnaround times and greater efficiency in the laboratory. This allows bioanalysts to focus on accurate and timely results that directly benefit patient outcomes.

Fewer errors and maximum efficiency

The Tempus1800® simplifies the shipping process with a user-friendly one-touch operation that requires no training and minimises manual handling. The optimised transport process reduces errors, prioritises urgent samples and ensures that

routine procedures are maintained efficiently. The system also prevents the loss of samples and reduces the need for repeat samples. For the hospital management, this leads to a long-term increase in efficiency and better utilisation of resources. The reduced time spent on logistics management gives staff more time for patient care, while freed-up resources can be used for primary tasks.

More time for the essentials: Patient care

The Tempus1800® transforms logistics from a challenge into an opportunity, creating a streamlined, patient-centered workflow that benefits every stakeholder in the healthcare process. With less time spent on transport, healthcare professionals can focus their expertise where it's needed most – on improving patient care.

Energy-saving with minimal maintenance

Ensuring smooth, reliable and efficient sample transport



Tempus1800® has an uptime of **99.9%** and is very easy to maintain.

The intelligent AirFlow Priority System optimises operation by allocating airflow to the active sending stations, avoiding bottlenecks and increasing efficiency. Better utilisation of compressed air reduces power consumption per sample sent by average 33%.

Tempus1800® solutions are scalable and can be easily expanded without overloading the infrastructure. The systems can also be easily relocated as there are no crossing points with a point-to-point connection.

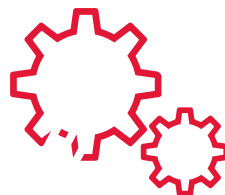
By reducing strain on air systems and optimizing energy use, this solution delivers both cost-efficiency and sustainability, making it an essential component for future-ready hospitals.

See our Airflow Priority System online

Discover how the Intelligent AirFlow Priority System reduces the need for compressed air. Learn more about its features and benefits, and explore implementation options tailored to your facility. Scan the QR code to view detailed insights.



For further information
please visit:
[sarstedt.com/tempus1800-
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“Transport from sample collection to the laboratory has traditionally been time-consuming and labor-intensive. **The Tempus solution addresses these challenges by automating sample transport.**

Departments equipped with Tempus demonstrate a significant reduction in response time, enabling faster diagnostics at our hospital compared to departments without Tempus.”

Rikke Kiilsholm – Specialist, Blood Tests and Biochemistry, Odense University Hospital, Denmark

Odense University hospital started using Tempus600® in 2011.



The Evolution of Tempus

A legacy of innovation in sample transport

The development of the Tempus system began with a simple but transformative idea: to revolutionise the way hospitals transport clinical samples. The vision was clear: to create an open system that could work with all IVD companies and test tube manufacturers to make the handling and transport of samples as smooth and efficient as possible. In addition, it should be ensured that the samples arrive at the laboratory quickly and in perfect quality and that the samples can be analysed according to FiFo principle at the same time.

Extended distance – reduced energy

These goals led to the development of the Tempus600®, a ground-breaking solution that set new standards for sample transport. The Tempus1800® represents the next stage in the development of a successful product line. With an extended transport distance from 600 metres to 1,800 metres and a simultaneous reduction of energy consumption by an average of 33% per sample sent, it meets the increasing requirements of

healthcare facilities of all sizes, from small hospitals to large hospital complexes. The Tempus1800® can be easily integrated into any complex hospital infrastructure and with its user-friendly one-touch system, it makes sample delivery faster, easier and more accurate than ever before.

For continuous innovation

The Tempus system is characterised by continuous innovation and flexibility, underlining our commitment to solving real healthcare challenges. Each new version is improved through user feedback to meet the changing needs of modern hospitals. Since its inception, Tempus has been at the forefront of specimen transport technology, helping to ensure accurate and timely care in hospitals. This legacy of innovation continues to shape the future by driving excellence in healthcare logistics and patient outcomes.

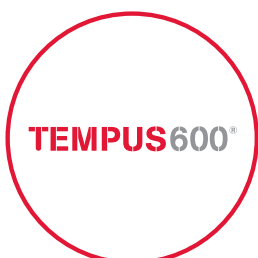
2011

2011

2016

2019

2020



Tempus600®



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Vita



Quantit



Necto II



2021

2022

2023

2024

2025



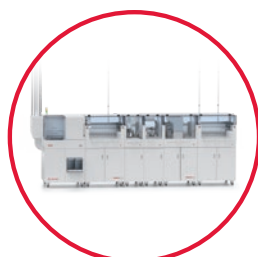
Necto III



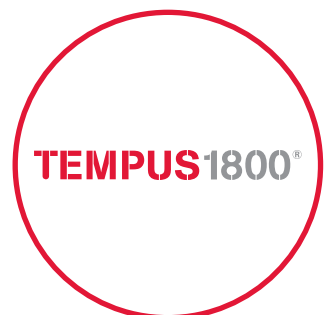
Solus



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HSS with Fero



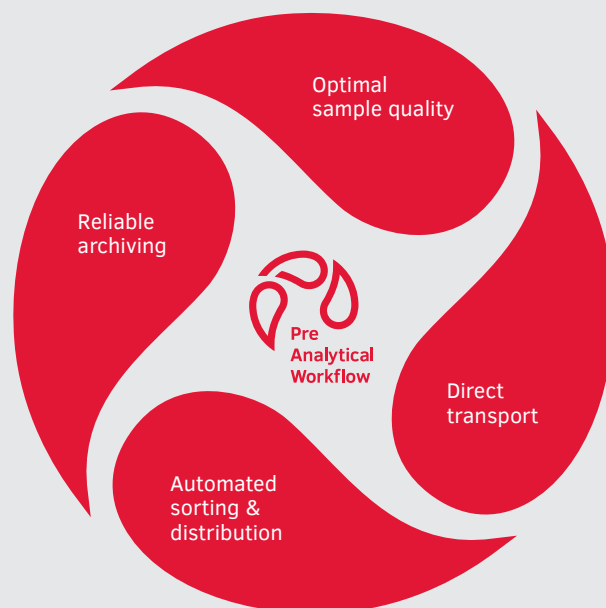
Tempus1800®

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

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of our synchronized systems.



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