

Tempus600®

Point-to-point transportation of small clinical samples



TEMPUS600®
One-touch for better treatment



Predictable and faster transportation time
for small clinical samples

Vita

Bringing the laboratory to every department

The Tempus600® Vita sending station makes it easy to send small clinical samples directly to the laboratory as a single tube transport, arriving safely seconds after they are taken.

The sample tubes are sent immediately after being drawn without requiring any further packing. As soon as a sample tube is loaded, the system is ready for the next.

The slim and minimalistic design ensures the sending station fits into most locations, occupying very little space.



Sample tubes are placed in the insertion point of the Vita.



Features

- Easy and intuitive to use – minimal training required
- Compatible with all sample tubes of:
Length 80–110 mm, diameter 12–18 mm
(including cap)
- Dimensions:
HxWxD = 157x38x41 cm

Benefits

- Predictable and improved total turnaround time (ToTAT)
- Handles up to 810 sample tubes per hour
- Just 2 week installation time, for new and existing buildings
- Minimal maintenance

Quantit

Drop & Go

The Tempus600® Quantit has been developed to cater for the need to dispatch several samples at the same time without any packaging.

Simultaneously and repeatedly, up to 25 samples can be placed in the drawer, and the system will then send the samples one by one. You don't even have to consider orientation, as Quantit manages that.

An optional urgency module can be added to Quantit. It allows you to access the system at any time and manually place urgent samples for immediate processing.



Features

- Multiple inlet for up to 25 samples at a time
- Samples always oriented the right way by the system
- Compatible with all sample tubes of: Length 80–110 mm, diameter 12–18 mm (including cap)
- Dimensions: HxWxD = 124x63x49 cm
- Incompatible samples automatically rejected
- The software settings can be customised for usage patterns

Benefits

- Minimal time spent placing samples in the system
- Significant reduction in actions needed to send and receive samples
- Meets the demand for sending both high volume and urgent samples
- Capacity to handle up to 1250 sample tubes per hour
- Just 2 week installation time, for new and existing buildings



Multiple inlet for up to 25 samples at a time.



Urgency module

Necto

Handling large quantities of samples – up to 1200 at a time

The Tempus600® Necto is an automated solution for high throughput sample receipt, accessioning and transportation over long distances.

Samples are sorted by means of barcodes, dimensions, tube recognition or as a combination.

Necto streamlines the entire registering and sorting process, allowing samples to be transferred to up to six different locations – two local bins and four distant destinations. The Tempus600 sending module can be connected directly to bulk loaders or laboratory automation systems.

Necto comes standard with one sending module. One, two or three extra sending modules can be purchased.



A: Sorting module



B: Urgent module

Advantages

- Ideal in combination with any analytical platform
- No pre-sorting or handling of sample tubes required
- Safe, rapid and continuous operation without error

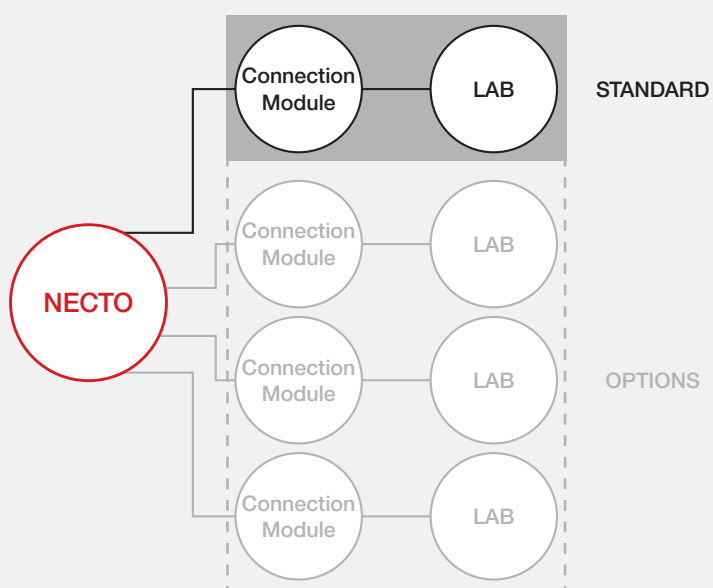
Features

- Automated sample accessioning
- Samples can be transferred to up to six different destinations – two local bins and four distant destinations
- Processes a range of materials such as serum, plasma, whole blood, urine etc.
- Sample sorting by means of barcodes, tube dimensions, or as a combination
- Cap colour and tube geometry identification via camera

- Intelligent sample routing into waiting loop if test order is missing
- Compatible with all sample tubes of following dimensions:
Length 80–110 mm, diameter 12–18 mm (including cap)
- Capacity of bulk compartment approximately 600 tubes
- Throughput of up to 1200 tubes/hour
- The cabinet dimensions are approximately (HxWxD) 160x220x76 cm.

Benefits

- Ideal in combination with any analytical platform
- No pre-sorting or handling of sample tubes required
- Safe, rapid and continuous operation without error



Receiving Tray

Ensuring a gentle arrival in the laboratory

The Receiving Tray is located in the laboratory, receiving sample tubes from Tempus600® sending stations.

The samples arrive, one by one, and are gently slowed down before arriving in the Receiving Tray. From there, they are ready to be picked up by laboratory staff. A lid prevents the samples from falling out of the tray.

In case of high throughput sample transportation over long distances a brake module can be fitted to increase sample throughput and ensure failure-free sample receipt.



Samples arrive in the Receiving Tray where they are retrieved.



Receiving Tray with a brake



Filter bag for cleaning

Features

- Soft inside to reduce landing impact
- Lights up inside when samples arrive
- A lid prevents the samples from falling out of the tray
- Optional brake
- Dimensions: HxWxD = 65x28x43 cm

Benefits

- The Receiving Tray is small and wall mounted – easy to fit in
- Easy to access tray for cleaning
- Minimalistic and user-friendly design

TM002

Complete control at your fingertips on an elegant, user-friendly display

TM002 enables you to control and monitor your Tempus600® equipment from one display.

With this completely redesigned edition you get a visually elegant display in brushed aluminium, providing you with an intuitive interface and tiered access for users and technicians.

TM002 is built with the future in mind. The system is able to monitor up to 44 sending stations simultaneously and the software can be seamlessly updated online.



Intuitive user interface



Features

- Optional connection to a light signal indicating sample arrival
- Optional connection to a smartphone via text messenger in case of error
- Languages: English and German
- Dimensions: HxWxD = 27 x 32 x 5 cm

Benefits

- Control TM002 remotely with any smartphone, tablet or desktop computer
- Fast, easy and intuitive operation using shortcut icons
- Option: communicates with total lab automation and sorters.

Connection Module

Connect to all automated lab equipment

The Tempus600® Connection Module is designed for the future. It is compatible with laboratory automation systems, including bulk loaders and sorters you already have installed, or plan to introduce, in the laboratory.

The Connection Module, as part of an automated one-touch handling system for sample tubes, provides a wide range of benefits as, fewer work procedures, no hands on the sample tubes and generally faster and safer handling.

In case of high throughput sample transportation over long distances a brake module can be fitted to increase sample throughput and ensure failure-free tube loading.

How does it work?

The sample tubes are delivered from the ward to the laboratory through the dedicated point-to-point system in just a few seconds.

The sample tubes are gently slowed down before landing in the automation module, instantly ready to continue the journey into a bulk loader or sorter. From here they are automatically transferred e.g. onto a track system.

Features

- Dimensions: HxWxD = 63x38x23 cm
- Up to 8 connections
- Optional brake



Connection Module with a brake





TEMPUS 600[®]
Checklist for better recovery

BL 1200

From Tempus600® directly into the analyzer rack

The innovative Bulk Loader BL 1200 in combination with the Tempus600® One-Touch sample transportation system redefines standards for the sample reception and accessioning in clinical laboratories. Without touching every individual closed sample tube (e.g. S-Monovette®), they are automatically loaded into the chute of the Bulk Loader, mechanically separated and identified by the built-in ID-Module via tube type and ID-number (bar code). Sorting is performed according lab specific requirements, e.g. into centrifuge racks, input/output trays of track systems, analyzer specific racks, generic- or archive racks. Sorting follows pre-defined sorting rules, or is done according to test orders defined by the laboratory information system (LIS). A plausibility check enables to identify and separate error samples.



Features

- Compatible with all closed sample tubes of following dimensions: Length 75–120 mm, diameter 11–19 mm (both including caps)
- Throughput up to 1,200 tubes/hour
- Flexible layout of the 630x450 mm sorting area per sorter unit
- Can be extended by additional sorting units
- Dimensions: HxWxD = 154x175x76 cm

Benefits

- Automatic sample accessioning
- Can be combined with any track system
- Small footprint, possible to be placed against the wall
- Ideal for high throughput laboratories
- Sorting into any common target racks or into boxes
- Pre-defined sorting rules or acc. test request (LIS)



Loading in bulk



Registering



Automatic Output in Racks

HCTS2000 MK 2

One-Touch up to sorting in boxes

Tempus600® combined with Bulk to Bulk Sorter HCTS2000 MK 2, clearly simplifies the workflow in the sample reception area. The sorter registers and sorts closed sample tubes from the bulk into different target compartments according to the bar code (sample preparation) or test request specified by the LIS. With an optional camera in use, the system can perform a plausibility check and so identify and separate error samples. HCTS2000 MK 2 helps to optimize the workflow at sample entry of biochemistry or hematology labs and so reduces the turn-around-time (TAT) of samples.



Sorting into target boxes



Features

- Compatible with all closed sample tubes of following dimensions: Length 75–120 mm, diameter 11–19 mm (both including caps)
- Throughput up to 2,000 tubes/hour
- Sorting into 7 compartments or boxes (base unit)
- Can be extended by up to 3 extension modules with 5 compartments or boxes each
- Dimensions: HxWxD = 122x143x82 cm

Benefits

- Automatic sample accessioning
- Can be combined with any track system
- Small footprint, ergonomic design
- Ideal for high throughput laboratories
- Sorting into 7–22 most compact targets
- Pre-defined sorting rules or acc. test request (LIS)

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

Visit our websites: www.sarstedt.com · www.tempus600.com

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