# Tempus600®

Point-to-point transportation of small clinical samples

Pre
Analytical
Workflow

TEMPUS600®

*One-touch for better treatment*

Predictable and faster transportation time
for small clinical samples

SARSTEDT

# 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 packaging. 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)
- Optional Sample Tube Orientation Module
- Dimensions:
  H x W x D = 157 x 38 x 41 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
- Requires minimal maintenance

SARSTEDT

# 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: H x W x D = 124 x 63 x 49 cm
- Incompatible samples automatically rejected
- The software settings can be customized 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
- Requires minimal maintenance

Multiple inlet for up to 25 samples at a time.

Urgency module

SARSTEDT

# Quantit SL

## One-touch handling automation solution for the distribution of small clinical samples

Tempus600® Quantit SL meets the need for automated loading and transport of small samples to a single destination, streamlining workflow and ensuring fast and predictable sample turnaround times.

**Handling samples from:**

- Donations via conveyor belt from the blood bank
- Sample reception areas by means of conveyor belt
- Reception and redistribution of samples from transport systems (e.g. conveyor belts, pneumatic tube systems)

The samples are automatically received in Tempus600® Quantit SL by means of a side loader module and sent directly and securely to the laboratory. An optional urgency module can be added to Tempus600® Quantit SL. This allows you to access the system at any time and manually place urgent samples for immediate processing.

Tempus600® Quantit SL is easily integrated, as the system is mounted on a stand and can stand freely in the room or against the wall.

## Features

- Capacity to handle up to 1250 samples per hour
- System ensures that samples are always correctly oriented
- Compatible with all sample tubes of length 80–110 mm, diameter 12–18 mm (including cap)
- Dimensions H x W x D = 141 x 110 x 57 cm
- Incompatible samples are automatically rejected

## Benefits

- Automatic infeed and distribution of samples
- Meets the demand for sending both high volume and urgent samples
- Short installation time of 2 weeks for new and existing buildings
- Requires minimal maintenance

Conveyor belt

SARSTEDT

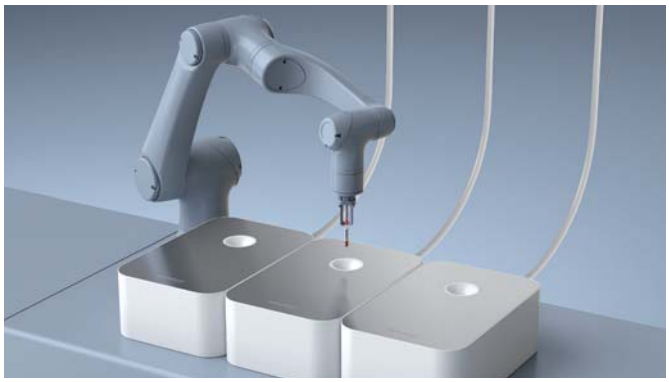
# Solus

## Automatic distribution of clinical samples from sample reception areas, from lab to lab and storage to lab

Tempus600® Solus can be integrated as part of a larger automation solution in incoming sample reception. The system is used to redistribute samples after unpacking, streamlining time-consuming manual work procedures and minimizing errors.

Samples must be quality-checked and approved by the automation solution before they are loaded into the system and sent directly and securely from the receiving area to the laboratory. If more than one destination is required, simply add an equivalent number of sending stations.

Tempus600® Solus is also suitable for automated transport of internal samples from the blood bank to the laboratory, from sample storage to the laboratory or between two laboratories, improving work processes and freeing resources for other tasks.



## Features

- Capacity up to 1,250 samples/hour
- Communication via OPC-UA
- Dimensions: H x W x D = 24 x 44 x 82 cm

## Benefits

- Automated transport of samples
- Safe, rapid and continuous operation without errors
- Requires minimal maintenance

SARSTEDT

# Necto

## Ideal as a sorting station, handling large quantities of samples – up to 1200 per hour

The Tempus600® Necto is an automated solution, delivering high throughput for the receiving, accessioning, and transporting of samples over long distances. Tempus600® Necto solution advantages:

1. Supports the automation of reception areas and blood test departments that receive large bulk volumes of small clinical samples
2. Operates as a redistribution center for samples sent from hospital departments via the Tempus600® system or conventional systems.
3. Can operate as a combination of the above.

Tempus600® 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.

Tempus600® Necto comes standard with one sending module. Up to three additional sending modules can be purchased.

A: Sorting module

B: Urgent module

## Features

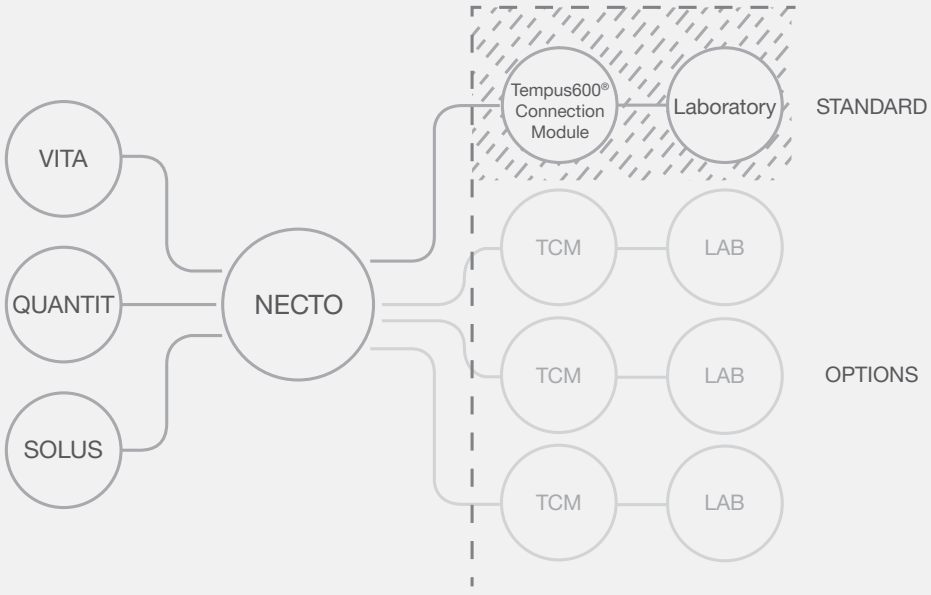
- Automated sample accessioning
- Samples can be transferred to up to six different destinations – two local bins and four distant destinations
- Sample sorting by barcodes, tube dimensions LIS or a combination.
- Cap color and tube geometry identification via camera
- Intelligent sample routing into 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 (H x W x D) 153 x 214 x 76 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
- Requires minimal maintenance

SARSTEDT

SARSTEDT
TEMPUS600
Necto


VITA
QUANTIT
SOLUS
NECTO
Tempus600®
Connection
Module
Laboratory
STANDARD
TCM
LAB
TCM
LAB
TCM
LAB
OPTIONS

SARSTEDT

# 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

- Up to two connections
- Soft inside to reduce landing impact
- Lighting signals when samples arrive
- A lid prevents the samples from falling out of the tray
- Optional brake
- Dimensions: H x W x D = 65 x 28 x 43 cm

## Benefits

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

SARSTEDT

# 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 such as fewer work procedures, hand-free sample tube processing, 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.

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: H x W x D = 63 x 38 x 23 cm
- Up to 8 connections
- Optional brake

Connection Module with a brake

SARSTEDT

# 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.

The elegant display in brushed aluminium, provides 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, German and Spanish
- Dimensions: H x W x D = 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.

SARSTEDT

# BL 1200

## From Tempus600® directly into the analyzer rack

1. Automatic sample accessioning
2. Can be combined with any track system
3. Small footprint, can be placed against the wall
4. Ideal for high throughput laboratories
5. Sorting into any standard target racks or into boxes
6. Pre-defined sorting rules or according to test orders (LIS)
7. Compatible with all closed sample tubes of following dimensions: Length 75–120 mm, diameter 11–19 mm (both including caps)
8. Throughput up to 1,200 tubes/hour
9. Customizable layout of the 630x450 mm sorting area with additional sorting units
10. Dimensions: HxWxD = 154x175x76 cm

# HCTS2000 MK 2

## One-Touch to sorted boxes

1. Automatic sample accessioning
2. Can be combined with any track system
3. Small footprint, ergonomic design
4. Ideal for high throughput laboratories
5. Pre-defined sorting rules or according to test orders (LIS)
6. Compatible with all closed sample tubes of following dimensions: Length 75–120 mm, diameter 11–19 mm (both including caps)
7. Throughput up to 2,000 tubes/hour
8. Sorting into 7 compartments or boxes (base unit)
9. Can be extended by up to 3 extension modules with 5 compartments or boxes each
10. Dimensions: HxWxD = 122x143x82 cm

SARSTEDT

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

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

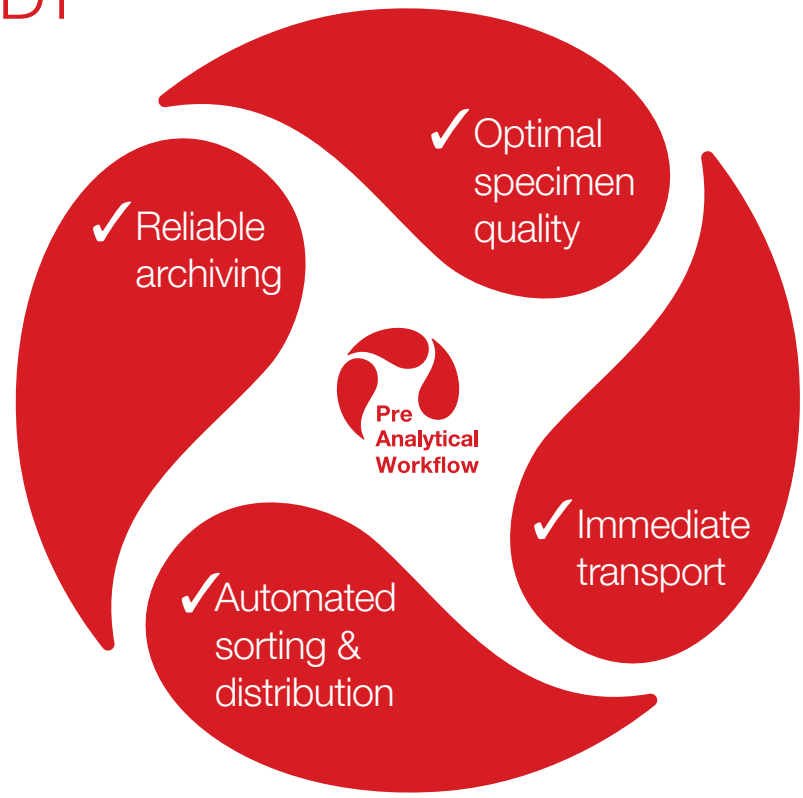
TEMPUS600®
*One-touch for better treatment*

# Pre-analytical workflow powered by SARSTEDT

Take advantage of the synergy of our synchronized systems.

Discover the 360° solutions for your pre-analytics from SARSTEDT

workflow.sarstedt.com




SARSTEDT, Inc.
1025 St. James Church Road
P.O. Box 468
Newton, NC 28658 - 0468
Toll free: +1 800 257 5101
Fax: +1 828 465 4003
customerservice.us@sarstedt.com
www.sarstedt.com

SARSTEDT

Technical modifications reserved
This document may contain information on products that may not be available in particular countries

25_857_0300_501