



Thammasat University Hospital

*“University hospital located in Bangkok with 450 beds, treating over 1,500 outpatients every day”*

## New Laboratory Automation System streamlines Central Laboratory workflow with two Tempus600 Vita systems

Thammasat University Hospital, which has 450 beds and treats over 1,500 outpatients every day, installed one Tempus600 Vita system in the outpatient department (OPD) supporting eight blood sample collection stations and another Tempus600 Vita system close to the Central Laboratory, where it is the main collector for the hospital’s Inpatient department (IPD), transporting blood samples from all of the hospital’s wards.

### Tempus600 Vita’s speed and reliability saves time and improves turnaround

Tempus600 Vita is a fast and reliable and integrates with the Laboratory Automation System, streamlining the hospital’s Central Laboratory workflow, saving time and improving turnaround. The IPD Tempus600 Vita now transports 400–500 blood samples every day and the OPD Tempus600 Vita transports up 2,000 blood samples every day, with peak rates of setting of up to 570 blood samples per hour.

### Tempus600 Vita automates the transport of blood samples

The Tempus600 Vita systems transport blood samples to the Central Laboratory, which is 200 m away. The hospital is so pleased with the efficiency gains that it plans to upgrade to a Tempus600 Quantit system in the middle of 2020.

### The challenge

Streamline Central Laboratory workflow and transport over 2,000 blood samples every day from the OPD to the Central Laboratory (a distance of 200 m), deal with peak rates with the setting up of up to 570 blood samples per hour, and transport 400–500 blood samples from the IPD every day.

### The solution

Install two Tempus600 Vita systems

### The benefits

- Automated system
- Large throughput of blood samples
- Over 2,000 blood samples transported from the OPD to the Central Laboratory every day
- 400–500 blood samples transported from IPD to the Central Laboratory every day
- Streamlined Central Laboratory workflow, improved patient treatment