



Maharat Nakhon Ratchasima Hospital

“The largest regional hospital in Thailand with over 1,600 beds”

Automated transport of blood samples in Thailand’s largest regional hospital

The regional hospital previously manually transported over 2,500 samples every day to the central laboratory. Two Tempus600 Vita systems were part of a two-year project to connect the large Outpatient Department with the Central Laboratory and were installed and commissioned in October 2019.

Tempus600 Vita’s efficiency and effectiveness convinced hospital staff it was the best solution

Tempus600 Vita is fast, efficient and reliable, and the decision to install two Tempus600 Vita systems as the primary system to transport blood samples resulted in a 40% reduction in total turnaround time.

Tempus600 Vita automates the transport of blood samples

Two Tempus600 Vita systems were installed and involved almost 700 m of piping – a record for any hospital in Thailand – and tens of metres longer than the next-longest system in Bangkok’s Ramathibodi Hospital.

The challenge

Transport over 2,500 blood samples from the Outpatient Department to the Central Laboratory every day and reduce total turnaround time.

The solution

Install two Tempus600 Vita systems with almost 700 m of piping

The benefits

- Automated system
- Total turnaround time reduced by 40%
- Automatic handling, transport and analysis of blood samples
- Large throughput of blood samples – over 2,500 samples every day
- Improved patient treatment