



7880  
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# Thrombin Time

## Synonyms

TT

## Clinical Indication

As part of an investigation of a bleeding or thrombotic episode, particularly to evaluate the level and function of fibrinogen; to detect heparin contamination, to detect presence of dabigatran.

## Part of Profile / See Also

## Request Form

Combined Pathology manual blood form or ICE request

## Availability / Frequency of Analysis

On request after consulting with Haematology Consultant.

## Turnaround Time

2 hours if urgent or inpatient. If non-urgent within 7 days.

## Patient Preparation

None required

## Sample Requirements

### Specimen Type

Citrated Blood

### Volume

Collection tube must be filled to 'fill mark' on side of bottle. This is critical.

### Container



Blue top (sodium citrate) tube



Paediatric Blue Top (sodium citrate) tube

**Samples must be received by lab within 2 hours of collection.**

## Reference Range & Units

Thrombin time: 12.2 -18.0 seconds

## Interferences

Sample activation, haemolysis, lipaemia. Presence of dabigatran causes grossly prolonged Thrombin Time.

## Interpretation & Clinical

### Decision Value (if applicable)

TT (Thrombin Time) > 19 suggestive of heparin contamination / reduction in functional fibrinogen.

## References

Werfen kit insert

## Test code

TT

## Lab Handling

Citrated plasma double spun and frozen (if not performed same day)