

PARTIAL  
THROMBOPLASTIN  
TIME  
(ACTIVATED)  
TIME (PTT)

## Orderable - PTT

Turn Around Time: 4 hours

STAT: 1 hour

### Alternate Name(s):

APTT  
PTT

### Specimen:

Adult	Pediatric
2.7 mL Blue (3.2% Sodium Citrate) top Vacutainer	1.8 mL Blue (3.2% Sodium Citrate) top
*In cases where access is difficult, a 0.9 mL Blue top tube is acceptable	

### Collection Information:

**Tubes must be filled until vacuum exhausts (until the fill line marked on tube).**

Both INR and PTT can be performed on one blue top tube. PTT analysis must be completed within 4 hours of collection.

Hemolysis affects PTT results and will not be reported on specimens with a high hemolysis grading as determined by the analyzer. For patients on cardiac bypass, ECMO or other ventricular assist devices, hemolyzed samples will have a reported PTT result.

### Reference Ranges:

Age	Range
0 min - 5 days	31-54 seconds
5 days - 1 month:	25-60 seconds
1 month - 3 months:	32-55 seconds
3 month - 6 months:	29-50 seconds
6 months - Adult:	20-29 seconds

Therapeutic range for Heparin: 60-85 secs.



**Laboratory:**  
Core Lab



**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Optical clot detection



**Test Schedule:**  
As required



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Critical Value: PTT:  $\geq 100$  (for patients NOT on anticoagulants)

**Interpretive Comments:**

Detects abnormalities in the Intrinsic pathway. Useful in monitoring heparin therapy.

**Storage and Shipment:**

Blue (Sodium Citrate) top specimens are kept at 18-24 degrees Celsius.

Samples from patients on therapeutic heparin must be centrifuged within one hour of collection and tested within four hours.

All other samples should be centrifuged and tested within 4 hours of specimen collection.

Samples are discarded after 24 hours.