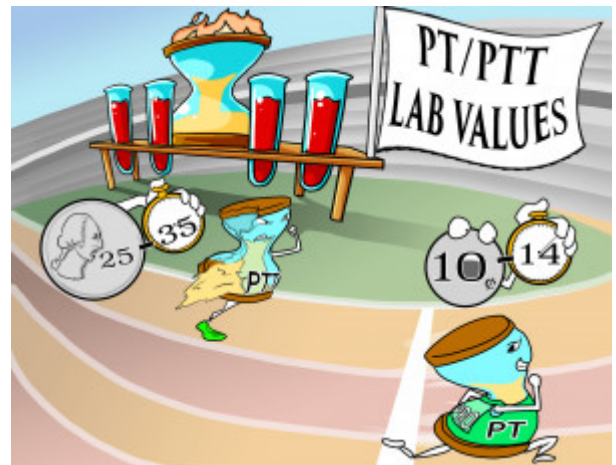


## PT/PTT Lab Values

Prothrombin time (PT) and Activated Partial Thromboplastin Time (aPTT) are measures of the amount of time in seconds that the coagulation cascade takes for initiation. The aPTT level is closely monitored on patients receiving the medication Heparin, while PT along with INR are measured in warfarin therapy.



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### Prothrombin Time (PT)

#### Pro PT-hourglass

Blood test that measures the time, in seconds, it takes for activation of the extrinsic coagulation cascade. It is commonly referred to as "Pro Time."

#### 10-14 seconds

##### (10) Dime to 14 Second-timer

The approximate range for PT is 10-14 seconds. The higher the number, the longer it takes for the blood to clot.

### Activated Partial Thromboplastin Time (PTT or aPTT)

#### Partial PTT-hourglass

Activated Partial Thromboplastin Time (PTT or aPTT) evaluates the intrinsic and common pathways of the coagulation cascade. aPTT is used to measure the therapeutic effects of Heparin, which prevents clotting by blocking certain factors in the intrinsic pathway.

#### 25-35 seconds

##### (25) Quarter to 35 Second-timer

The value of aPTT also depends on the reagents and instruments used. The normal range is between 25-35 seconds. The aPTT is monitored closely for patients on Heparin drips in the hospital.