



Aeromed Coagulation Studies & ACT

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Prothrombin Time & International Normalized Ratio (PT/INR)

Think COUMADIM/WARFRAN drug class use!
Commonly used to evaluate anticoagulation therapy.
Evaluates the **extrinsic** pathway of the coagulation sequence.

Both evaluate the same thing

TGH Normal Values

PT: 9-12 seconds

INR: 0.8-1.2

Partial Thromboplastin Time (PTT)

Think Heparin use!

Commonly used to evaluate anticoagulation therapy.

Evaluates the **intrinsic** pathway of the coagulation sequence.

TGH Normal Values

PTT: 21-34 seconds

Activated Clotting Time (ACT)

Also Think Heparin use!

Point of care test used to monitor the effect of high-dose **heparin** before, during, and shortly after surgeries.

ACT is less precise than **PTT**

TGH Therapeutic Values:

Normal **107 +/- 13 seconds**.

After postoperative hemostasis **180-200 seconds**.

In situations involving persistent or recurrent atrial or ventricular fibrillation, or when the flows are persistently less than 3 L/min **250-300 seconds**.