Therapeutic monitoring

At UWMC, bivalirudin is monitored using the Direct Thrombin Inhibitor (DTI) assay (Plasma-Diluted Thrombin Time).

Used instead of aPTT to monitor injectable DTI therapy. Preferred over aPTT due to better sensitivity, and is not affected by antiphospholipid antibodies. Cost, turn-around time and 24/7 availability at UWMC are similar to aPTT.

- Therapeutic range for DTIs administered by continuous infusion
  - For argatroban: 60-100 seconds
  - For bivalirudin: 60-90 seconds
  - For lepirudin: 90-160 seconds
- Test order code: DTI
- Specimen collection: 3mL or 5mL blue top


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https://depts.washington.edu/anticoag/home/content/therapeutic-monitoring