

**APTT**  
490/85730.0

**Quick Reference**

Changing to a new lot of aPTT reagent requires thorough validation testing to establish new Normal Reference and Therapeutic Heparin Response ranges. This process occurs approximately every 12 months when a new lot of reagent is made available by the instrumentation reagent vendor.

**Details**

As we prepare for changing to a new aPTT reagent lot Allina Health Laboratories Coagulation Department undertakes a new “normal range” study using 25 specimens from persons known to be free of coagulation abnormalities and not on any current medications. These samples are run at every site, on each analyzer to give us a large volume dataset and a thorough representation of instrument comparability.

Heparin responsiveness of the new lot of aPTT reagent is also assessed in more than 100 patients currently on heparin therapy which is correlated with anti-Xa chromogenic heparin levels. This correlation study is the basis for the new heparin aPTT therapeutic range.

This change will go into effect on a date yet to be determined. Date range likely to be near or on August 30<sup>th</sup> or Sept 20<sup>th</sup>, 2022.

|                           | <b>Current (seconds)</b> | <b>New (seconds)</b> |
|---------------------------|--------------------------|----------------------|
| Normal Reference Range    | 25 - 36                  | 24 - 33              |
| Heparin Therapeutic Range | 76 - 99                  | 70 - 95              |

QUESTIONS: Contact your Allina Health Laboratory account representative, or our Client Services department