



Laboratory Bulletin

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| DATE: | 2022 June 27 |
|-------|---|
| TO: | All Edmonton Zone and North Zone Clinicians |
| FROM: | APL and Dynalife |
| RE: | Change in PTT normal reference range for all sites in Edmonton and North Zone |

PLEASE POST OR DISTRIBUTE AS WIDELY AS APPROPRIATE

Key Message

• The normal reference range for the "Partial Thromboplastin Time (PTT)" test within Epic is changing:

From: 24-39 sec
To: 26-38 sec
Effective: June 28, 2022

- There is, and will continue to be, only one normal reference range for the "Partial Thromboplastin Time (PTT)" within Epic for the province.
- This will affect all laboratories in the Edmonton and North Zones. It includes Dynalife managed laboratories, and sites not yet completely transitioned to Epic (eg. GNH and MIS).

Action Required

- See Appendix "A" for how reference range changes will appear to clinicians in Epic.
- If you have patients who are monitoring their PTT results in the MyChart and/or MyHealth Records patient portals (see Appendix "B"), please inform them that:
 - Reference range changes may not always be clear when trending over time.
 - They should always refer to the reference ranges provided with individual test results.

Questions/Concerns

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Approved by

- Dr. Susan Nahirniak, North Sector Associate Medical Director, Alberta Precision Laboratories (APL)
- Dr. Stuart Brown, Dynalife Medical Labs

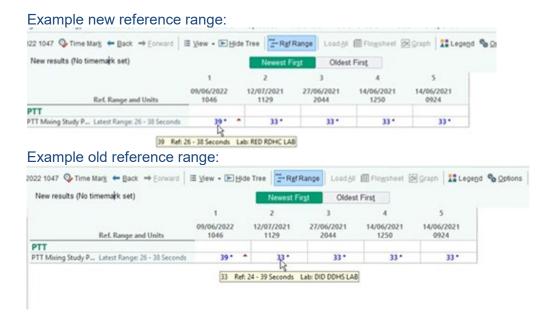


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Appendix A – Reference Range appearance in Epic clinician portal

In the "Result Review" tree (and in some other views):

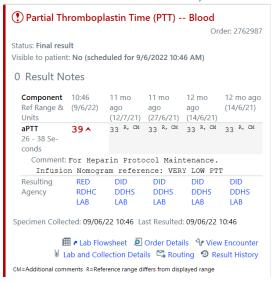
- The new reference range will be listed after Go Live.
- Reference ranges associated with previous results can be viewed by hovering the mouse over each.



In "Chart Review":

- Any result obtained when the reference range was different from that listed under the test name, will have an associated superscript "R".
- Note that if a PTT is selected before the reference range change, such that the old reference range is still shown under the test name, there is no superscript "R" applied.

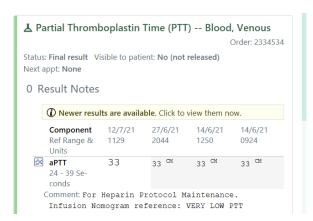
Example if a result obtained <u>after</u> the reference range change is selected in Chart Review. In the example the PTT from 9/6/22 was selected, which was obtained after the reference range change:





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Example if a result obtained **before** the reference range change is selected in Chart Review. In the example the PTT from 12/7/21 was selected, which was obtained before the reference range change:





Appendix B - Reference Range appearance in Patient Portals

MyChart example of trended PTT results obtained <u>before</u> (23/5/19 & 4/10/21) and <u>after</u> (16/6/22) the PTT reference range change. Note that the view incorrectly implies that the new reference range of 26-38 sec applies to all current and past results:



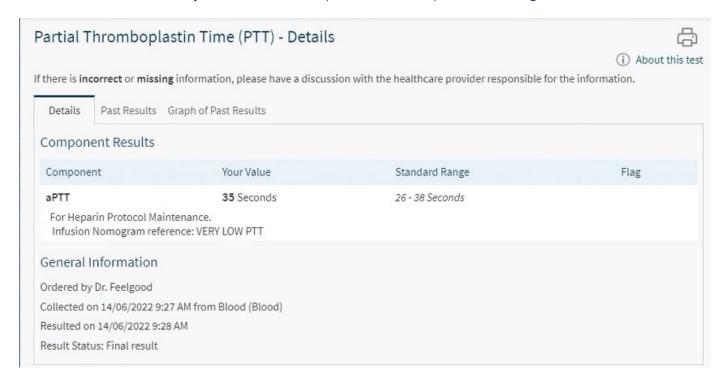
MyChart example of individual PTT results obtained <u>before</u> the reference range change (23/05/2019). These individual PTT results always show the correct (old in this case) reference range information:





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MyChart example of individual PTT results obtained <u>after</u> the reference range change (14/06/2022). These individual PTT results always show the correct (new in this case) reference range information:



Note: MyHealth Records examples are not provided but follow the same general trend of reliably showing reference range information when looking at individual test results. However, they don't show how reference ranges change over time when looking at multiple results, whether in tabular or graphed form.