

## Reference, Therapeutic, and Reportable Ranges

**POLICY** Each analyzer has a reportable range set by the instrument manufacturer and/or established by the Clinical Laboratory. The reference ranges and therapeutic ranges are established by the Laboratory system.

**REFERENCE RANGES** The following are the current Reference Ranges for the Coagulation Department:

Analyte	Range
<b>APTT</b>	25-37 seconds
<b>Heparin Therapy PTT</b>	68-105 seconds
<b>D-Dimer to R/O DVT &amp; DIC</b>	<500 ng/mL FEU
<b>D-Dimer to R/O PE</b>	
<b>≤50 years old:</b>	<500 ng/mL FEU
<b>51-79 years old:</b>	<(age x 10) ng/mL FEU
<b>≥80 years old:</b>	≥800 ng/mL FEU
<b>Fibrinogen</b>	218-441 mg/dL
<b>Protime</b>	12.0 - 15.4 Seconds (INR: 0.8-1.2)
<b>Thrombin Time</b>	14 – 19 seconds

<b>THERAPEUTIC RANGES</b>	<b>Heparin Anti-Xa (UFH)</b>	0.3-0.7 IU/mL
---------------------------	------------------------------	---------------

**REPORTABLE RANGES** The following table lists the reportable ranges for the STAGO STAR. For results outside the reportable range, see P&P COAG.03-0010 or COAG.03-0020\*.

Analyte	Reportable Range
<b>Protime</b>	0.5-10.0 INR (8-150 seconds)
<b>APTT</b>	15-200 seconds
<b>Fibrinogen</b>	60-1800 mg/dL
<b>Heparin Anti-Xa (UFH)</b>	0.10 to 1.10 IU/mL
<b>D-Dimer DVT/PE/DIC</b>	270-20,000 ng/mL FEU
<b>Thrombin Time</b>	13 – 150 seconds

**\*For values outside linearity limits (reportable range) a CLS must investigate to determine appropriate action in reporting.**

Document History Page

Change type: New, Major, Minor etc.	Changes Made to SOP – describe	Name of responsible person/date	Med. Dir. Reviewed/ date	Lab Manager reviewed/ date	Date change Imp.
Minor	Removed LMWH from policy.	Diana Davodi 6/10/10			6-10-10
Minor	Changed Prottime ref range (sec) & reportable range.	Diana Davodi 6/28/10			6-28-10
Minor	Changed Prottime ref range (sec) & reportable range.	Charles Park 10/02/11			10-02-11
Minor	Changed PTT reference range to reflect Regional Reference Lab values. Changed Prottime ref range (sec) & reportable range.	Julius Salomon 7/29/13			7-29-13
Minor	Revised reportable range to correctly reflect Cerner (LIS) ranges.	Julius Salomon 11/15/13			11-15-13
Minor	Revised PT reference range to reflect Regional Reference Lab values.	Julius Salomon 10/01/14			10-06-14
Minor	1) Added Thrombin Time 2) Updated D-Dimer reference range to reflect regionwide change 3) Removed dilution comment for Anti-XA on reportable range section.	Julius Salomon 09/14/15			
Minor	1) Updated format 2) Updated Index number 3) Updated referenced P&P numbers	Marlon Esguerra 6/25/18			
Major	Added reference range for Heparin Therapy PTT	Marlon Esguerra 6/25/18			

Imp. =Implemented