#### REFERENCE, THERAPEUTIC, AND REPORTABLE RANGES

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| 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. |

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| REFERENCE RANGES | The following are the current Reference Ranges for the Coagulation Department: | | | |
| Analyte | Range |
| **APTT** | 25-37 seconds |
| **D-Dimer to R/O DVT & DIC** | <500 ng/mL FEU |
| **D-Dimer to R/O PE** |  |
| **≤50 years old:** | <500 ng/mL FEU |
| **51-79 years old:** | <(age x 10) ng/mL FEU |
| **≥80 years old:** | ≥800 ng/mL FEU |
| **Fibrinogen** | 218-441 mg/dL |
| **Protime** | 12.0 - 15.4 Seconds (INR: 0.8-1.2) |

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| THERAPEUTIC RANGES | |  | | |
| **Heparin Anti-Xa (UFH)** | | 0.3-0.7 IU/mL |

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| REPORTABLE RANGES | The following table lists the reportable ranges for the STAGO STAR. For results outside the reportable range, see P&P 03-025-07 or 03-035-05, 07\*. | | | |
| Analyte | Reportable Range |
| **Protime** | 0.5-10.0 INR (8-150 seconds) |
| **APTT** | 15-200 seconds |
| **Fibrinogen** | 60-1800 mg/dL |
| **Heparin Anti-Xa (UFH)** | 0.10 to 1.10 IU/mL |
| **D-Dimer DVT/PE/DIC** | 270-20,000 ng/mL FEU |

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

Document History Page

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| 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 Protime ref range (sec) & reportable range. | Diana Davodi  6/28/10 106/28/10  6-28-10 |  |  | 6-28-10 |
| Minor | Changed Protime 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 Protime 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 | Removed Thrombin Time. | Julius Salomon 11/07/17 |  |  |  |
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