Effective May 20, 2013 the Clinical Laboratory will begin performing chromogenic factor VIII testing as another means to measure factor VIII activity. This test method is not affected by inhibitors, anticoagulant drugs or other variables that may be seen with traditional clot-based testing. In addition, certain populations of Hemophilia A patients may yield falsely elevated levels of activity using clot-based assays, and both clot-based and chromogenic factor VIII activity are recommended for evaluating Hemophilia A patients.\(^1\-^3\) This method should not replace routine orders for factor VIII activity.

**Sample Requirements**

**Collect:** 2.7 mL sodium citrate tube (blue top with liquid)

**Specimen Preparation:** 0.5 mL citrated plasma

**Pediatric Collection Transportation:** 1.8 mL sodium citrate tube

**Storage/Transport:** Deliver at room temperature to the laboratory for immediate processing. If sample cannot be delivered to the laboratory within 2 hours of collection, centrifuge sample to obtained platelet poor plasma and send frozen.

**Stability:** After separation from cells: room temperature 4 hours; frozen 3 months.

**Unacceptable Conditions:** Sample type other than citrated plasma.

**Reference Interval:** 46-191%

For technical questions, please contact Bob Gosselin at 916-734-2490. For other questions or additional information please contact Laboratory Client Services at 916-734-7373 or email pathologyclientservices@ucdmc.ucdavis.edu.

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