Lab Dept: Coagulation

Test Name: HEMOPHILIA B (F9) SEQUENCING

General Information

Lab Order Codes: HEMB

Synonyms: Factor IX Sequencing for Hemophilia B; Christmas disease

CPT Codes: 81405 – F9, full gene sequencing (Molecular Pathology, Level 6)

Test Includes: Bidirectional sequencing of the entire F9 coding region and intron-exon boundaries and proximal promoter.

Logistics

Test Indications: Severe deficiency of factor IX clotting activity is associated with spontaneous joint or deep tissue bleeding. Moderate or mild deficiency is associated with prolonged bleeding after tooth extractions, surgery, or injuries and recurrent or delayed wound healing. Counseling and informed consent are recommended for genetic testing.

Lab Testing Sections: Coagulation - Sendouts

Referred to: ARUP (ARUP Test: 2001578)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: Within 21 days

Special Instructions: Fill out Patient History form for Hemophilia A or B. Form is found on: http://www.aruplab.com/guides/ug/tests/iconpdf_48.pdf

Specimen

Specimen Type: Whole blood

Container: Lavender top (EDTA) tube

Alternate blood tube: Yellow (ACD Solution A or B) top tube or Pink (K2 EDTA) top tube.

Draw Volume:	3 mL (Minimum: 1 mL) blood
Processed Volume:	Same as Draw Volume
Collection:	Routine venipuncture
Special Processing:	Lab Staff: **Do Not** Centrifuge. Send specimen in original collection container at refrigerated temperature. Forward promptly..
Patient Preparation:	None
Sample Rejection:	Specimen collected in wrong container; mislabeled or unlabeled specimens

Interpretive

Reference Range:	Interpretive report
Critical Values:	N/A
Limitations:	Diagnostic errors can occur due to rare sequence variations. Deep intronic mutations and gene duplications will not be detected in patients of either sex; large deletions will not be detected in females.
Methodology:	Polymerase Chain Reaction/Sequencing, Bidirectional sequencing of the entire F9 coding region and intron-exon boundaries and proximal promoter
References:	ARUP website November 2009 (800) 522-2787 Fax (801) 584-5249
Updates:	2/12/2013: CPT update 8/19/2015: No longer forwarded through MML, now direct send