Hemophilia Testing Algorithm

If activity is decreased:

**Hemophilia A**
- F8A / Coagulation Factor VIII Activity Assay, Plasma
- If activity assays are normal, consider an alternate bleeding disorder: BDIAL / Bleeding Diathesis Profile, Limited
- If known mutation is an Intron 1 Inversion mutation, order F8INV / Hemophilia A F8 Gene, Intron 1 and 22 Inversion Mutation Analysis, Whole Blood
- If known mutation is a point mutation or deletion/duplication, contact a Laboratory Genetic Counselor to discuss send-out test.

If activity is not decreased:
- Contact a Laboratory Genetic Counselor to discuss send-out for full sequencing and possible large deletion/duplication analysis of F8 gene

**Hemophilia B**
- F9 / Coagulation Factor IX Activity Assay, Plasma
- If the activity assays are normal, consider an alternate bleeding disorder: BDIAL / Bleeding Diathesis Profile, Limited
- If known mutation is an Intron 1 Inversion mutation, order F81B / Hemophilia A F8 Gene, Intron 1 Inversion Known Mutation, Whole Blood
- If known mutation is a point mutation or deletion/duplication, contact a Laboratory Genetic Counselor to discuss send-out test.

*If testing is normal, consider possibility that family member has alternate bleeding disorder
**Send copy of known familial mutation with sample for testing to be performed