



Test Definition: CH8BI

Chromogenic Factor VIII Inhibitor Bethesda Profile Interpretation

Overview

Useful For

Interpretation of the chromogenic factor VIII inhibitor Bethesda profile test

Detecting the presence and titer of a specific factor inhibitor directed against coagulation factor VIII

This test is **not useful** for detecting the presence of inhibitors directed against other clotting factors and **will not** detect the presence of lupus anticoagulants.

Method Name

Only orderable as part of a profile. For more information see CHF8P / Chromogenic Factor VIII Inhibitor Bethesda Profile, Plasma.

Medical Interpretation

NY State Available

Yes

Specimen

Specimen Type

Plasma Na Cit

Reject Due To

Specimen Stability Information

| Specimen Type | Temperature | Time | Special Container |
|---------------|-------------|---------|-------------------|
| Plasma Na Cit | Frozen | 14 days | |

Clinical & Interpretive

Clinical Information

Factor VIII (FVIII) inhibitors are IgG antibodies directed against coagulation FVIII that typically result in development of potentially life-threatening hemorrhage. These antibodies may be alloimmune: developing in patients with congenital FVIII deficiency (hemophilia A) in response to therapeutic infusions of factor VIII concentrate or autoimmune: occurring in patients without hemophilia (not previously factor VIII deficient) either spontaneously or during pregnancy or in association with autoimmune diseases.

Reference Values

Only orderable as part of a profile. For more information see CHF8P / Chromogenic Factor VIII Inhibitor Bethesda Profile, Plasma.

An interpretive report will be provided.

Interpretation

The interpretive report will include assay information, background information, and conclusions based on the test results.

Cautions

Contamination with excess heparin and hemodilution due to improper specimen collection through an intravenous access device or collection above a running intravenous fluid line may cause spurious results.

Clinical Reference

1. Peyvandi F, Oldenburg J, Friedman KD. A critical appraisal of one-stage and chromogenic assays of factor VIII activity. *J Thromb Haemost.* 2016;14(2):248-261
2. Verbruggen B, van Heerde WL, Laros-van Gorkom BA. Improvements in factor VIII inhibitor detection: From Bethesda to Nijmegen. *Semin Thromb Hemost.* 2009;35(8):752-759
3. Miller C, Platt S, Rice A, Kelly F, Soucie JM. Hemophilia Inhibitor Research Study Investigators. Validation of Nijmegen-Bethesda assay modifications to allow inhibitor measurement during replacement therapy and facilitate inhibitor surveillance. *J Thromb Haemost.* 2012;10:1055-1061

Performance**Method Description**

A coagulation expert (clinician or hematopathologist) reviews the laboratory data, and an interpretive report is issued.

PDF Report

No

Day(s) Performed

Monday through Friday

Report Available

3 days

Performing Laboratory Location

Mayo Clinic Laboratories - Rochester Main Campus

Fees & Codes

Fees

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact [Customer Service](#).

Test Classification

Not Applicable

CPT Code Information

85390-26

LOINC® Information

| Test ID | Test Order Name | Order LOINC® Value |
|---------|------------------------------------|--------------------|
| CH8BI | Chromogenic FVIII Inhibitor Interp | 95122-8 |

| Result ID | Test Result Name | Result LOINC® Value |
|-----------|------------------------------------|---------------------|
| 606844 | Chromogenic FVIII Inhibitor Interp | 95122-8 |
| 606865 | Reviewed by | 18771-6 |