Northwell Health Labs

TECHNICAL BULLETIN

☐NEW TEST ☒TEST CHANGE

NOTIFICATION DATE: 11/22/2022
EFFECTIVE DATE: 11/28/2022

Fibrinogen (FIBC)

On the effective date, Northwell Health Laboratories will replace the current PT-based Fibrinogen Assay (FIB) to the Fibrinogen Clauss Assay (FIBC).

The Fibrinogen Clauss Assay (FIBC) is a quantitative assay based on the Clauss method. Patient plasma, containing fibrinogen, is mixed with reagent containing excess thrombin. The excess thrombin converts the fibrinogen in the patient plasma to fibrin. The amount of time it takes to form a clot is inversely proportional to the amount of fibrinogen present in the patient plasma. The Clauss method based Fibrinogen Assay contains higher thrombin concentration and will be minimally influenced by direct oral anticoagulants (DOACs). The Fibrinogen Clauss Assay will provide a more reliable result for the quantitative determination of Fibrinogen and has been recommended by various guidelines.

This test measures levels of functional (clottable) fibrinogen. Fibrinogen may be decreased in acquired conditions such as liver disease, acute intravascular coagulation, fibrinolysis and disseminated intravascular coagulation. Fibrinogen will be decreased in rare conditions including congenital afibrinogenemia or hypofibrinogenemia. Fibrinogen may be elevated with acute or chronic inflammatory conditions.

There is no change in the test order for either SCM or Allscripts.

Test Requirement/Parameters	New	Previous
Method	Clauss method clottable Fibrinogen Assay on IL ACL TOPS	PT-based clotting method on IL ACL TOPS
Submission Container/Tube	Blue-top (3.2% sodium citrate) tube	Blue-top (3.2% sodium citrate) tube
Collection Instructions	Freshly drawn venous blood collected into a 3.2% trisodium citrate tube to the fill line. **Note:** CLSI guidelines require a minimum of 90% expected fill of the collection tube to guarantee accuracy of results.	Freshly drawn venous blood collected into a 3.2% trisodium citrate tube to the fill line. **Note:** CLSI guidelines require a minimum of 90% expected fill of the collection tube to guarantee accuracy of results.
Reference Range	200 – 465 mg/dL	330 – 520 mg/dL
Critical Value	≤ 100 mg/dL	≤ 100 mg/dL
Computer Interface Code	**PDM# 5500571**	**PDM# 5500561**
Test Order	**FIBC**	**FIB**

If you have any questions, please contact Client Services at (516) 719-1100.