

To whom is this communication directed?

NewYork-Presbyterian/Weill Cornell Medical Center and Lower Manhattan Hospital health care providers

What is changing?

This is an INFORMATIONAL MEMO.

No reference ranges, units of measure or cut off values are changing.

What is this in reference to?

Comparison of D-Dimer reporting across different methodologies at NYP campuses.

In light of the increasing numbers of patient transfers from NYP/Lower Manhattan Hospital (LMH) and potential transfers to LMH, providers may have noticed there is a difference in D-Dimer reportable units and reference ranges when comparing LMH and WC D-Dimer values. This is due to different platforms and reagents that are currently used across the different NYP campuses.

The WC-NYP Central Laboratory recognizes that health care providers trend COVID-19 D-Dimer values and the use of different tests across campuses may introduce confusion in interpretation of laboratory results. As these platforms have their own set of FDA approved ranges, cut-offs and reportable units (D-Dimer Units vs Fibrinogen-Equivalent Units), we may not change reporting practices for tests performed at each campus.

We are therefore providing the manufacturer's definition of fibrinogen equivalent units (FEU) to aid in your interpretation:

"D-dimer levels are expressed in initial fibrinogen equivalent units (FEU). By definition, one FEU is the quantity of fibrinogen initially present that leads to the observed level of D-dimer. The actual quantity of D-dimer is approx. half of an FEU. For example, a value of 0.50 µg/ml FEU is approx. 0.25 µg/ml (actual D-dimer)."

To simplify, you may use the following equations to approximately compare the LMH D-Dimer Value (FEU) to the Weill Cornell D-Dimer value (DDU)

$$(\text{DDU} \times 2) / 1000 \approx \text{FEU}$$

OR

$$(\text{FEU} / 2) \times 1000 \approx \text{DDU}$$

Location:	LMH	~ Approximately equals	WC
Test:	D-Dimer		D-Dimer
Example 1	15 µg/mL FEU		7500 ng/mL DDU
Example 2	0.3 µg/mL FEU		150 ng/mL DDU

For example: 15.00 µg/mL FEU at LMH would be approximately equal to 7500 ng/mL DDU at WC

Additional example: 0.30 µg/mL at LMH would be approximately equal to 150 ng/mL DDU at WC

The reverse applies for converting the DDU at WC to the FEV units at LMH.

What specimen can be tested?

As a reminder, please continue to collect in Blue top (3.2% sodium citrate) tube and fill to the FILL LINE to allow for accurate testing.

Questions?

For more information on D-Dimer testing, visit lab test menu at <https://www.testmenu.com/nyphweillcornell>

Please direct any questions regarding D-Dimer testing to Dr. Sabrina Racine, Assistant Director, Central Lab and Clinical Chemistry Services, at (212) 746-0514