June 01, 2026

Test Platform Change: VEGF-D Quantitation (Test #5334318)

Dear Cincinnati Children's Laboratory Clients:

We would like to alert you that, effective ***June 30, 2026***, the VEGF-D Quantitation (Test #5334318) assay currently performed by the Translational Trials Developmental and Support Laboratory (TTDSL) will transition to a new testing platform within the Cancer and Blood Diseases Institute: Diagnostic Immunology Laboratory (CBDI - DIL). Please see below for an overview of the new assay and key changes from the current TTDSL methodology.

New Test Details:
This test measures vascular endothelial growth factor-D (VEGF-D) levels using an automated microfluidics immunoassay method, with results reported in pg/mL. Clinical decision thresholds for this methodology have not been fully established. Results should therefore be interpreted within the broader clinical context.

The new reference range for normal values is: ≤ 647 pg/mL

This test will be offered at a cost of ($450.00). Please note that CBDI-DIL supports institutional billing only; individual billing is not available.

Refer to *Figure 1* for method comparison data between the previous TTDSL ELISA method and the new microfluidics platform.

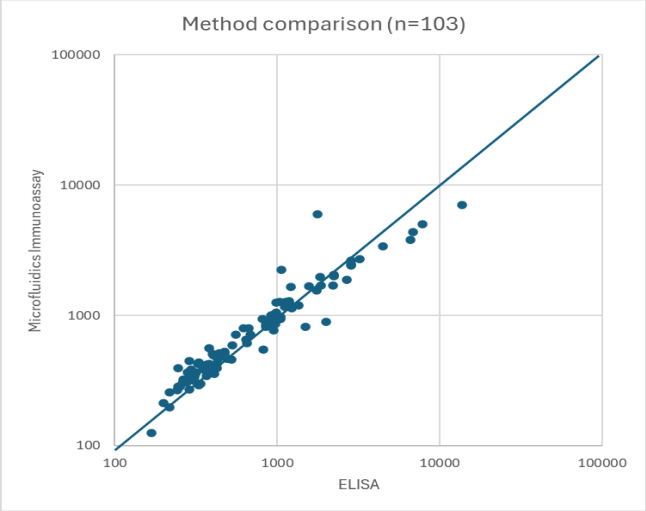


Figure 1. Correlation of VEGF-D sample values obtained using the TTDSL ELISA method versus the new automated microfluidics immunoassay method.

New Specimen Requirements:

Specimen Collection:
5 mL whole blood should be collected using a serum (red or gold top) tube. EDTA plasma specimens provide comparable results and is an acceptable alternative. The minimum blood volume is *1 mL* whole blood in a red/gold/purple top tube

Shipping/Handling Instructions:
Keep samples as whole blood for delivery to our lab within 24 hours of collection. If delivery cannot occur within 24 hours, separate serum/plasma from cells within 24 hours of collection.

If sending separated frozen serum/plasma:
For serum tubes, allow 30 minutes for clot formation. Centrifuge samples for 15 minutes at (1000 x g) within 24 hours of collection. Separate serum or plasma from cells and place in a -10° to -30°C freezer or on dry ice in a Styrofoam packing container for overnight shipping. Separated serum or plasma samples that have been frozen should be sent with enough dry ice to maintain a frozen state.

All vials should be labeled with patient name, date of birth (DOB), date and time of sample collection, and anticoagulant. Please also refer to our test requisition form found at www.cchmc.org/DIL for sample collection and shipping instructions.

Shipping Notes:
The CBDI DIL Laboratory operates Monday-Friday. Do not ship samples to arrive on weekends or federal holidays.

Specimen Rejection:
The following specimens will not be processed:

- Frozen whole blood
- Room temperature separated serum/plasma
- Improper anticoagulant use
- Grossly hemolyzed or lipemic samples
- Moderately icteric samples

Submitting providers will be notified if recollection is required.

Result Reporting:
Turnaround Time (TAT): Approximately **7 days** from specimen receipt

If you require any further information, feel free to contact us with questions or concerns. Thank you!

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