

☒NEW TEST ☒TEST CHANGE

NOTIFICATION DATE: 12-04-2025

EFFECTIVE DATE: Immediate

Reticulocyte Hemoglobin Equivalent (Ret-He)

On the effective date, Northwell Health Laboratories is introducing a new test, Reticulocyte Hemoglobin Equivalent (Ret-He). This test will provide valuable information for clinicians to assess iron status and guide treatment decisions more effectively than traditional iron markers, as it reflects iron availability in real-time for new red cell production. Ret-He will be reported in conjunction with a complete blood count (CBC) Reticulocyte count.

Reticulocyte Hemoglobin Equivalent (Ret-He) is a direct measure of the hemoglobin content in reticulocytes. It serves as an early and sensitive indicator of the functional iron status available for erythropoiesis (red blood cell production), helps in the early detection of iron deficiency and monitors the effectiveness of iron therapy, especially in conditions like chronic kidney disease, inflammatory states, and during pregnancy.

Test Requirement/Parameters	New																								
Method:	Sysmex XN series																								
Specimen Requirements:	Blood																								
Submission Container/Tube:	1 Lavender top (EDTA) tube																								
Specimen Volume/Minimum Volume:	3ml																								
Collection Instructions:	Tube must be more than half full for proper anticoagulant ratio. For pediatrics, draw blood in a MICROTAINER®. Do not draw a small volume into a standard VACUTAINER®.																								
Specimen Stability:	24 hours Room Temperature (8 Hours Room Temperature for Northwell RRL Labs) 48 Hours Refrigerated																								
Reference Range:	<table> <tr> <td>0 Minutes-180 Days</td><td>Male 27.6-38.7 pg</td></tr> <tr> <td></td><td>Female 29.2-37.5 pg</td></tr> <tr> <td>180 Days-2 Years</td><td>Male 28.7-35.7 pg</td></tr> <tr> <td></td><td>Female 30.1-35.7 pg</td></tr> <tr> <td>2 Years-6 Years</td><td>Male 27.7-37.8 pg</td></tr> <tr> <td></td><td>Female 29.3-37.3 pg</td></tr> <tr> <td>6 Years-12 Years</td><td>Male 32.4-37.6 pg</td></tr> <tr> <td></td><td>Female 30.4-39.7 pg</td></tr> <tr> <td>12 Years-18 Years</td><td>Male 30.3-40.4 pg</td></tr> <tr> <td></td><td>Female 29.9-38.4 pg</td></tr> <tr> <td>18 Years-150 Years</td><td>Male 36.0-38.6 pg</td></tr> <tr> <td></td><td>Female 30.6-40.7 pg</td></tr> </table>	0 Minutes-180 Days	Male 27.6-38.7 pg		Female 29.2-37.5 pg	180 Days-2 Years	Male 28.7-35.7 pg		Female 30.1-35.7 pg	2 Years-6 Years	Male 27.7-37.8 pg		Female 29.3-37.3 pg	6 Years-12 Years	Male 32.4-37.6 pg		Female 30.4-39.7 pg	12 Years-18 Years	Male 30.3-40.4 pg		Female 29.9-38.4 pg	18 Years-150 Years	Male 36.0-38.6 pg		Female 30.6-40.7 pg
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Computer Interface Code:	PDM# 5500355E (included in PDM 5500355)																								
Test Order:	RETIC CT																								

If you have any questions, please contact Client Services at (800) 472-5757.