

Test Menu & Classification
Core Proprietary Red Blood Cell Tests

Test	Category	Normoxia	Hypoxia	After Cycles of Hypoxia/ Reoxygenation
Mechanical Fragility (MF) PLA Code: 0123U	Membrane Stability			
Flow Adhesion of Whole Blood to VCAM-1 (FA-WB-VCAM) PLA Code: 0121U	Cell Adhesion			
Flow Adhesion of Whole Blood to P-selectin (FA-WB-Psel) PLA Code: 0122U	Cell Adhesion			
Flow Adhesion Characterization of WB to P-selectin (FAC-WB-Psel)	Cell Adhesion			
Flow Adhesion Avidity of Whole Blood to VCAM (FAv-WB-VCAM)	Cell Adhesion			
Flow Adhesion Avidity of Whole Blood to P-Selectin (FAv-WB-Psel)	Cell Adhesion			
Flow Adhesion of Isolated WBC to P-selectin (FA-WBC-Psel)	Cell Adhesion			
Flow Adhesion Characterization of WBC to P-selectin (FAC-WBC-Psel)	Cell Adhesion			

Test Menu & Classification

RBC Health: Morphology	RBC Health: Hemoglobin
Test	Test
<ul style="list-style-type: none"> • RBC Morphology Analysis (Irreversible Sickle Cell ;Patient) • RBC Morphology Analysis (Hypoxia Induced Sickling; Time course) * ^ • RBC Morphology Analysis (Hypoxia Induced Sickling; Variable Hypoxia Severity) * ^ 	<ul style="list-style-type: none"> • Hemoximetry (P20/P50) * • Hemoximetry (Deoxygenation Rates) * ^ • Hemoximetry (Reoxygenation Rates) * ^ • Hemoximetry (Deoxygenation Profile) * ^ • Hemoximetry (Reoxygenation Profile) * ^ • Hb Differentiation
RBC Health: Deformability	RBC Health: Metabolomics
Test	Test
<ul style="list-style-type: none"> • RBC Deformability (LORRCA) • RBC Point of Sickling (LORRCA) • RBC Osmotic (LORRCA) 	<ul style="list-style-type: none"> • Glutamine • ATP * • 2,3-DP6 * • RBC Mitochondrial Analysis - Fraction
Category: Coagulation	
Test	

- Flow Thrombosis Collagen

- Platelet Aggregometry

- D-Dimer

Test Menu & Classification

Category: Chemistry**Test**

- CBC
- Billurubin
- Reticulocytes
- vWF- Activity
- ADAMST 13 Activity
- HDL
- EPO
- Haptoglobin
- vWF- Ag
- Factor VIII
- Triglycerides
- Ferritin
- Serum Hemoglobin
- vWF - Multimeric
- ADAMST 13
- LDL