

CENTRAL LABORATORY SERVICES

RBC Biomarker Health CRO Partners



Functional Fluidics' central laboratory can provide a holistic assessment of patient response to modifying therapy. Our efficient, CLIA-certified laboratory offers our proprietary red blood cell health assays and standard hematological and chemical testing.

Benefits of partnering with us include:

- High Quality Data
- Efficient Testing
- Cost & Risk Reduction
- Faster time to market

Proprietary Red Blood Cell Biomarkers

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

*Research only tests

Other Red Blood Cell Function Assays

Morphology	Hemoglobin	Deformability	Metabolomics
RBC Morphology Analysis (Irreversible Sick Cell; Patient)	Hemoximetry(P20/P50)	RBC Deformability (LORRCA)	Glutamine
RBC Morphology Analysis (Hypoxia Induced Sickling; Time course)	Hemoximetry (Reoxygenation Rates)	RBC Point of Sickling (LORRCA)	ATP
RBC Morphology Analysis (Hypoxia Induced Sickling; Variable Hypoxia Severity)	Hemoximetry (Deoxygenation Profile)	RBC Osmotic (LORRCA)	RBC Mitochondrial Analysis-Fraction
	Hemoximetry (Reoxygenation Profile)		
	Hb Differentiation		

Standard Hematological Tests

Coagulation			
Flow Thrombosis Collagen	Platelet Aggregometry	D-Dimer	

Chemistry Tests

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

