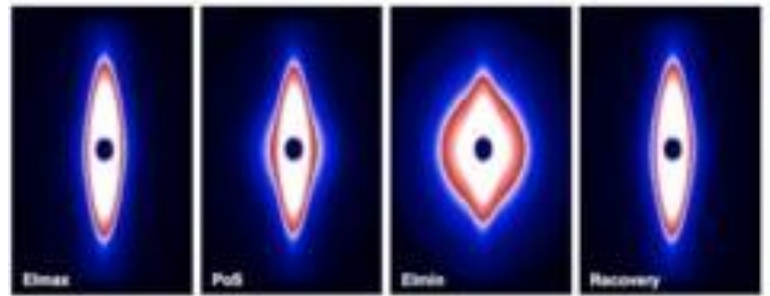


Traditional Blood Rheology Assays

RBC Deformability	Osmoscan	Aggregation & Disaggregation	Oxygenscan	Point of Sickling (POS)
Laser diffraction ektacytometry – RBC elongation index is measured under shear stress	RBC deformability under an osmotic gradient	Sylectometry – RBC aggregation kinetics and tendency are measured	RBC deformability is measured under different oxygen tensions	The relative oxygen pressure when sickle RBCs start sickling is measured

Lorrcra Ektacytometer



DVNext Cone/plate rheometer



Measuring whole blood and plasma viscosities
 500 µl sample volume
 Viscosity–shear stress curve
 Matched hematocrit & native hematocrit



BioChip Labs

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