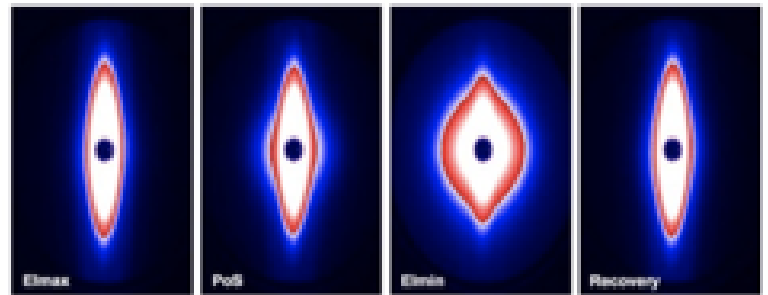


# Traditional Blood Rheology Assays

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

## Lorrca 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**

*"Disrupting disease through better diagnostics"™*

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