

# Traditional Blood Rheology

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

## RBC Deformability

### RBC DEFORMABILITY

Laser diffraction ektacytometry - RBC elongation index is measured under shear stress

### OSMOSCAN

RBC deformability under an osmotic gradient

### AGGREGATION & DISAGGREGATION

Syllectometry - RBC aggregation kinetics and tendency are measured

### OXYGENSCAN

RBC deformability is measured under different oxygen tensions

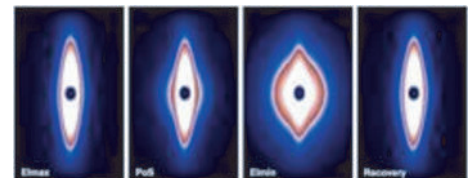
### POINT OF SICKLING (POS)

The relative oxygen pressure when sickle RBCs start sickling is measured

## Typical Uses

- ✓ CLINICAL ASSAY
- ✓ PERSONALIZED MEDICINE
- ✓ RESEARCH
- ✓ DRUG DEVELOPMENT

## Lorcca Ektacytometer



## DVNext Cone/Plate Rheometer

