

**MIOXSYS is a rapid in vitro diagnostic semen analysis test that accurately measures oxidative stress. Unlike other oxidative stress tests, which are incomplete, MIOXSYS is a complete measure of oxidative stress.**

MIOXSYS's ORP measure is based upon the principle of oxidation-reduction potential which measures the giving and taking of electrons. Oxidation-reduction potential (ORP) is an overall measure of the oxidative stress to which a biological component is subjected. Unlike other measures, sORP represents an integrated measure of all oxidants & reductants, making it a more clinically meaningful measure when diagnosing idiopathic cases associated with high levels of oxidative stress.

### INTENDED USE

The MIOXSYS System is a rapid in vitro diagnostic semen analysis test utilizing an electrochemical technology for the qualitative measurement (millivolts [mV]) of static Oxidation-Reduction Potential (sORP) in human semen.

The MIOXSYS System is intended for use in conjunction with standard semen analysis parameters (ejaculate volume, total sperm, sperm concentration, total motility, progressive motility, and morphology) as an aid to assess semen quality.

The MIOXSYS System is intended for use in laboratory settings and is not intended for point-of-care use.

The MIOXSYS System is indicated for use in adult males aged 21-45 years old who are undergoing semen analysis.

