



OxyLite™

In vivo and in vitro oxygen monitoring



- Hypoxic tissue culture
- Tissue engineering
- Hypoxia/ischemia in tissues

Key Benefits

- **Outstanding sensitivity** - optical fluorescence technology provides superior sensitivity across the physiologically relevant pO_2 range (0 - 200 mmHg).
- **Zero oxygen consumption** - innately suitable for continuous oxygen measurements even under conditions of hypoxia.
- **Ease of use** - factory pre-calibrated sensors featuring 'EEPROM' technology provide ultimate convenience. No calibration procedures required, simply 'plug and go'.
- **Absolute units** - pO_2 data are provided in units of mmHg or kPa.
- **Real time** - 20-30 s response time for real-time oxygen environment information.
- **In vivo and in vitro applications** - equally well suited to *in vitro* or *in vivo* applications for dissolved oxygen / pO_2 monitoring.
- **Temperature compensation** - automatic compensation of pO_2 measurement when using combined oxygen/temp sensors.
- **Extensible** - add our counterpart OxyFlo™ blood flow monitor for multi-parameter *in vivo* monitoring from a single sensor.
- **Analogue data output** - for compatibility with virtually any data recording solution for continuous recording of data traces to PC or Mac platforms.