

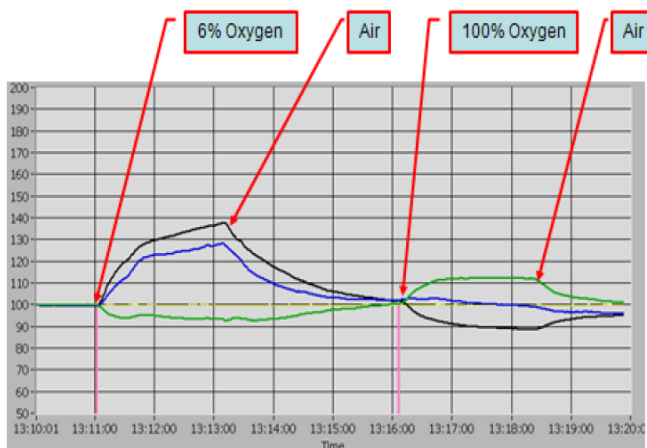
# MitoViewer MV-2

## Real-time assessment of mitochondrial function by NADH fluorescence in-vivo



**NADH** is a control marker in the energy generation by the respiratory chain located in the mitochondria.

**NADH** redox state is sensitive to the intracellular oxygen levels and to energy consumption by the tissue.



### MitoViewer Applications:

- Ischemia, Hypoxia, Anoxia, Heperoxia or hypercapnia in various organs.
- Activation of the brain by Cortical Spreading depression or Seizures.
- Changing of heart metabolism by isotropic and chronotropic drugs.
- Drug safety and efficacy monitored In Vivo in various organs.

### MitoViewer Main Features:

- Could be used in various experimental animal models and various organs under In Vivo and In Vitro conditions.
- Calculates corrected NADH (independent of hemodynamic changes in the tissue).
- Measurement via flexible fiberoptic probe.
- Custom types of probes can be supplied to best fit specific experimental setup.
- Possible integration of the MitoViewer probe with other probes (for example Laser Doppler Flowmeter probe).

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