

30. Simultaneous monitoring of NAD(P)H, cytochromes, pO₂, and HbO₂ in liver tissue

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Abstract:

A new spectrometer (EMPHO IIb) for measurements of NADH fluorescence spectra in tissue was developed which enables recording of 100 spectra per sec. by use of a rotating filter disc. The excitation of fluorescence is induced by a mercury lamp (HbO100 W/2) at 366nm. For the optical coupling of the instrument to the surface of tissues quartz microlight guides are applied.