EPR Quantification Package: SpinCount and SpinFit

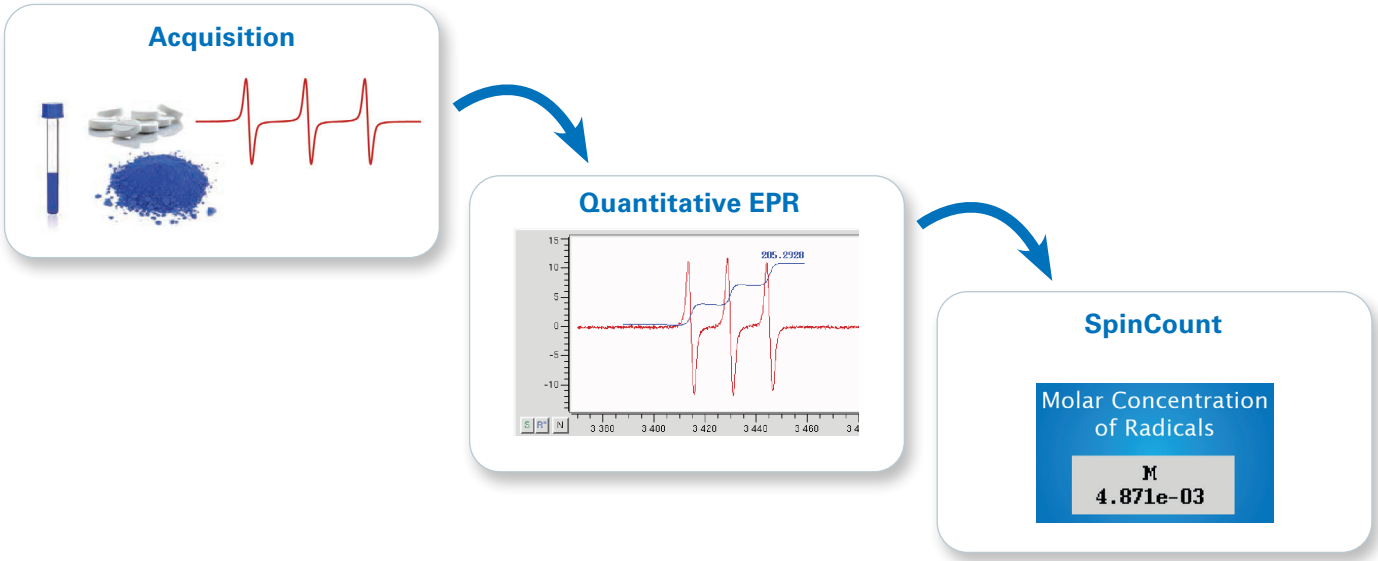
High Precision and Reference Free

Identification and quantification of the EPR active species (free radicals and transition metals) is a critical aspect in research, development and process/quality control. These species play an important role in many processes such as photosynthesis, oxidation/reduction, catalysis, and polymerization. Additionally these species can act as redox agents that cause damage to tissues, cells, pharmaceutical products and materials such as solar cells and polymers.

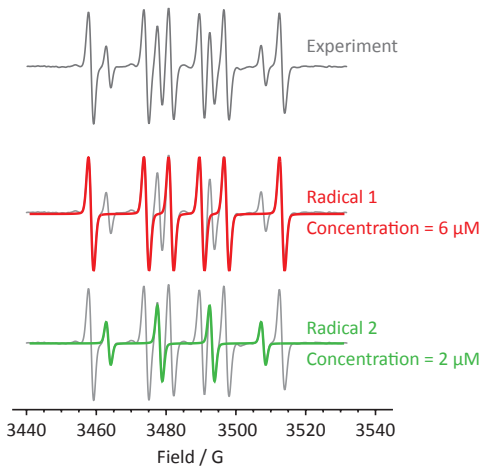
With the EPR Quantification Package: SpinCount and SpinFit, the task of identifying and quantifying EPR species is both straightforward and precise.
The EPR Quantification Package is available for Bruker's EPR spectrometers running Xepr, Xenon, and ESRStudio software.

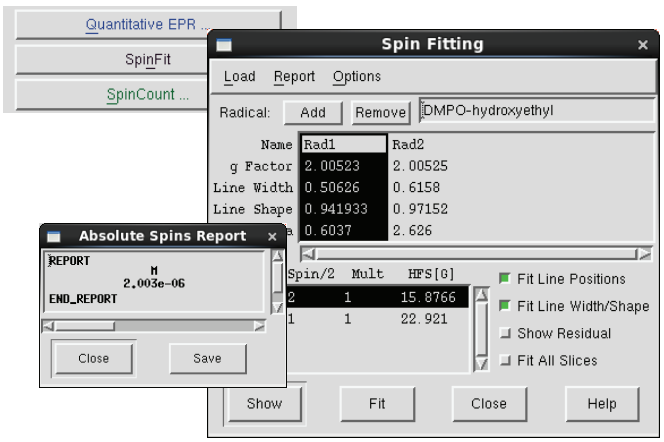
EPR Quantification Package includes:

- SpinCount with an easy to use interface allows direct conversion of the measured EPR signal to the concentration of radicals or transition metals in the sample.
- SpinFit facilitates identification of the EPR-active species even in a multicomponent signal providing concentrations of individual components.
- Fast identification is made easier with the SpinFit library of commonly encountered EPR-active species.

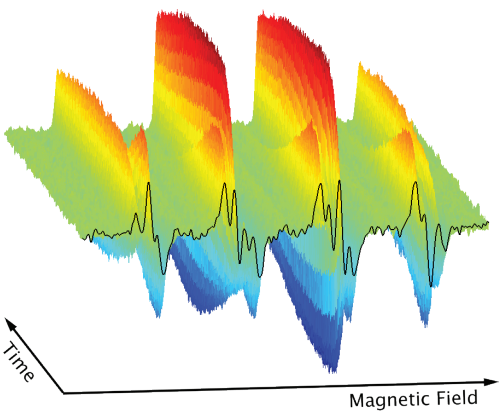


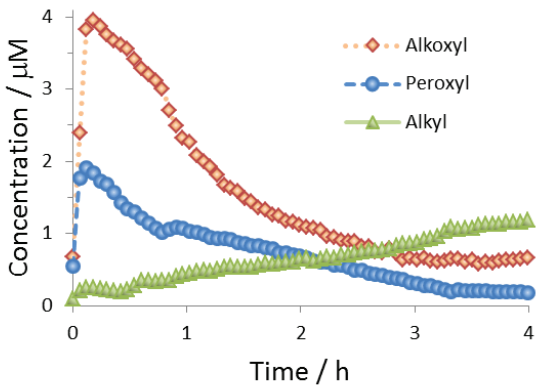
SpinCount and SpinFit: Dedicated full analysis software





- Multi-component identification
- Quantification of individual components
- Quantify changes during the course of an experiment
- Automated multi-dimensional experiments





- One-time factory calibration of the spectrometer
- Automatic storage of all experimental parameters
- No calibration curve required
- Reference-free conversion of the EPR signal to the concentration

Bruker BioSpin
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