



SpinCount

Quantification of EPR Signals with Magnettech ESR5000

High precision and reference free

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 oxidation and reduction, catalysis, polymerization and photosynthesis. Additionally, these species can act as redox agents that cause damage to tissues, cells, pharmaceuticals, foods, beverages and materials such as solar cells and polymers.

SpinCount is a software option for EPR quantification on Bruker's Magnettech ESR5000 benchtop spectrometer. With **SpinCount**, the task of quantifying EPR species is both straightforward and precise:

- **Easy-to-use** interface allows on-the-fly conversion of the measured EPR signal to the concentration of radicals or transition metals in the sample
- Comprehensive report that contains absolute number of spins and concentration (mol/L or spins/ mg)
- **Reference-free** without the need to record a calibration curve
- Supports 1D- and 2D-data
- One-time factory calibration of the spectrometer

Innovation with Integrity

Spectrum Acquisition



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