



# **Handbook of Magnetic Resonance Spectroscopy In Vivo: MRS Theory, Practice and Applications (eMagRes Books)**

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# Handbook of Magnetic Resonance Spectroscopy In Vivo: MRS Theory, Practice and Applications (eMagRes Books)

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Comprised of three parts:

- Methodology covers basic MRS theory, methodology for acquiring, quantifying spectra, and spatially localizing spectra, and equipment essentials, as well as vital ancillary issues such as motion suppression and physiological monitoring.
- Applications focuses on MRS applications, both in animal models of disease and in human studies of normal physiology and disease, including cancer, neurological disease, cardiac and muscle metabolism, and obesity.
- Reference includes useful appendices and look up tables of relative MRS signal-to-noise ratios, typical tissue concentrations, structures of common metabolites, and useful formulae.

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