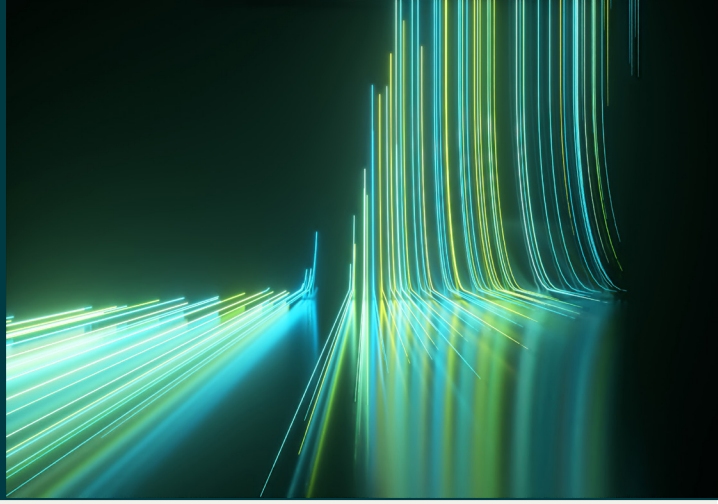
WILEY

Spectral Databases

From the leader in spectral data



Raman - Clinical - Wiley

Spectra – 21

This database is only available as part of the KnowItAll Raman Spectral Library subscription.

Description

Raman spectroscopy provides clinicians and researchers with a rapid, non-destructive method for identifying and characterizing biological materials at the molecular level.

The Raman Clinical database contains reference spectra relevant to clinical and biomedical research, enabling the detection and characterization of pathological or altered biological materials. These reference spectra support comparison of diseased and healthy samples, and identification of clinical and veterinary materials commonly encountered in research and diagnostic settings. As the collection grows, additional clinical compounds, tissues, biomarkers, and biomedical materials may be incorporated to broaden database coverage and support a wider range of clinical and diagnostic applications.

Applications

- Bone mineralization studies
- Osteopetrosis research
- Skeletal disease characterization
- Biomedical and clinical research
- Comparative tissue analysis

Additional information

When it comes to spectral analysis, the more data you have the better. Wiley spectral databases provide much more information than simply the spectrum. Database records include the following valuable details when available:

- Chemical structure
- Chemical name
- Formula
- InChI/InChIKey
- Molecular weight
- Instrument name

Compound coverage

- Bone collagen and other bone mineral matrix components
- Bone mineralization defects
- Healthy and diseased bone mineral matrices
- Additional clinical and biomedical materials

Compatibility

- Subscription includes KnowItAll ID Expert software for one-click basic spectral searches
- Optional: KnowItAll Analytical Edition (recommended for advanced analysis)
- Import spectra from most Raman instruments for direct comparison to reference spectra. For instrument compatibility, visit sciencesolutions.wiley.com/compatibility.

Trusted data from a trusted source

Wiley is the authoritative source for spectral data. Our renowned databases are processed according to rigorous protocols to ensure they are of the highest quality. Qualification procedures start at data acquisition and continue throughout the database development process. Any data acquired from trusted partners is thoroughly vetted before inclusion in our collections.