

The following service plans are available for Raman spectrometers and vary by instrument model. Please request a quote for the type of service plan you are looking for with specific instrument model.

What is Raman spectroscopy? Raman spectroscopy is a versatile, nondestructive technique that yields detailed information about chemical structure. Raman spectrometers probe materials using ...

Here we briefly describe two forms of Raman spectroscopy that allow for significant improvements in detection limits.

Raman amplification / 'r?:m?n / is a way of increasing the signal strength in an optical fiber. It is often used in a fiber that carries a signal for a long distance (such as in an undersea cable).

Why Raman Spectroscopy? with other analytical techniques. Raman is a light scattering technique, so all that is required for the collection of a spectrum is to place the sample into the excitation be

This Raman amplifiers buying guide provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

Raman spectroscopic analysis is based on the Raman scattering effect discovered by Indian scientist C.V. Raman (Raman) and analyzes the scattering spectrum with different frequencies from the ...

We briefly explain the fundamentals of Raman spectroscopy and shed light on how the interaction of light with the chemical bonds is used for chemical analysis.

This inelastic scattering is the Raman effect, first described by physicist C.V. Raman in 1928. The energy exchange happens because the photon either gives energy to the molecule ...

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Raman spectroscopy is an optical technique that detects intrinsic vibrational, rotational and other low-frequency modes in molecules upon inelastic scattering of monochromatic light.

Raman Spectroscopy Uncover the latest and most impactful research in Raman Spectroscopy. Explore pioneering discoveries, insightful ideas and new methods from leading researchers in the field.

The name "Raman spectroscopy" typically refers to vibrational Raman spectroscopy using laser wavelengths which are not absorbed by the sample.

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