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together on the same sheet. The  
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The chapter discusses the rapid  
development of fourier transform  
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Fourier-transform infrared spectroscopy (FTIR) is a technique used to obtain an infrared spectrum of absorption or emission of a solid, liquid or gas. An FTIR spectrometer simultaneously collects high-spectral-resolution data over a wide spectral range.

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Fourier transform Raman spectrometers were developed as late as in 1986 due to the reasons discussed herein. [6,7 ] It is known that shot noise dominates the noise of visible detectors, i.e. for an...

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introduction. The essential principles of  
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scattering. Important advantages of  
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Keywords: Azoospermia, Fourier  
transform infrared spectroscopy,  
Seminal plasma, Metabolome

Introduction Human semen is an organic  
fluid that consists of spermatozoa (in  
some instances leucocytes and epithelial

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the Raman intensities of the amide III band and the tyrosine signals due to peptide chain scission of the silk polymer and the photochemical changes in the tyrosine residues on the silk molecules.

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Fourier-transform spectroscopy is a measurement technique whereby spectra are collected based on measurements of the coherence of a radiative source, using time-domain or space-domain measurements of the electromagnetic radiation or other type of radiation.

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