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## Preparation of Infrared Reference Spectra

All spectra presented in this section were recorded using either a Perkin-Elmer model 682 dispersive infrared spectrophotometer or a Perkin Elmer model 16PC Fourier transform infrared spectrophotometer.

Pressed discs, 13 mm in diameter, were prepared using potassium bromide or potassium chloride. Liquid paraffin mulls and thin films were prepared between potassium bromide plates, and gas and solution spectra were prepared using cells with potassium bromide windows. Solution spectra were prepared against a solvent reference and all other spectra were recorded against air.

For solution spectra the regions of the spectrum within which the solvent shows strong absorption should be disregarded. Solvent 'cut-offs' in the reference spectra may be recorded as horizontal straight lines or may appear as blank regions on the spectrum.