The Use of Raman Spectroscopy in a Hospital Pharmacy Setting

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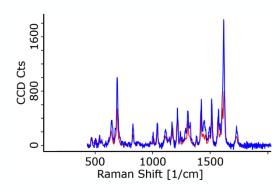
Improved Patient Safety



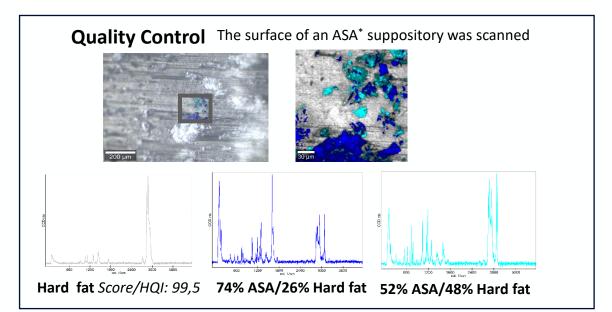


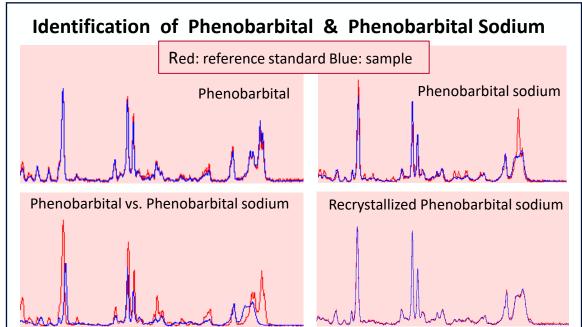
Red spectrum: precipitation inside infusion tube

Blue spectrum: Fitted component mix: 74% Midazolam (in house database)/26% infusion tube



The precipitation was successfully identified as midazolam Score / HQI: 87







Conclusion:

Raman spectroscopy has high identification abilities, with only minimal sample preparation and time, that can be successfully utilized in the hospital pharmacy.

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