

## **Evaluation of Kidney Stones Composition**

Kidney stones composition evaluation using FTIR give valuable inputs for the identification of stone (about 14 types of stones have been identified). This evaluation studies help the doctors in prognosis of the affected patients. The FTIR spectra so generated are matched with set of 756 Ref. Spectrum generated by team of spectroscopists and medical doctors. Such FTIR spectrum gives valuable information to the doctors viz. Photograph of the crystal, Chemical composition, optical properties, causes & occurrences, Therapeutic information, Diagnosis etc. This evaluation report helped the doctors in deciding further treatment of the affected patient.

Shriram Institute for Industrial Research (SRI), Bangalore has carried out extensive evolution of kidney stone for its compositional and identification. We have evaluated more than 2000 kidney stones and reported the findings which helped the doctors to identify the problem of the patient for treatment.

SRI, Bangalore can give evaluation report of kidney stone samples received from various hospitals.