

**LAB ALERT: NEW TEST****NOTIFICATION DATE: 7/30/2013**  
**EFFECTIVE DATE: 7/30/2013****Kidney Stone (Calculi) Analysis With Image****TEST CODE:** MDFCPKSAWI**INTERFACE CODE:** 1004163**METHODOLOGY:** Fourier Transform Infra-Red Spectroscopy (FTIR)

**CLINICAL UTILITY:** The kidney stone analysis by FTIR is intended for the identification and qualitative determination of clinically relevant constituents of the kidney stone specimens. Kidney stones formation (Urolithiasis, Nephrolithiasis, Renal lithiasis) is a common recurring disorder and certain intrinsic and extrinsic factors appear to be involved in the genesis of kidney stones. Kidney stones are a heterogeneous agglutination of various ingredients. Identification and determination of the chemical constituents of the urinary stones help in understanding their pathogenesis and is very useful in providing guidelines for appropriate medical management, including adaptation of suitable prophylactic measures. This test has been developed and its performance characteristics validated by med fusion. This test has not been approved/cleared by the US Food and Drug Administration.

**PERFORMED:** Monday – Wednesday – Friday**COLLECTION:** Calculi specimen

**STABILITY (FROM COLLECTION TO INITIATION OF TESTING)** The clean and dry specimen should be transported in a urine container/standard transport tube. Dried and cleaned stone samples are required to eliminate interference from extraneous matrix effects that can complicate spectral interpretation. Unclean specimen is acceptable, however turn-around time may be affected.

**TRANSPORT:** Ambient**REFERENCE RANGE:** A qualitative report will be generated.**RESULTS REPORTED:** 1-4 days**CPT CODE:** 82365**PERFORMING LAB:** med fusion**ORDER/CONTACT INFORMATION:** ClearPoint Client Services: 972-966-7700 | Fax: 972-966-7799