Urinary calculi analysis

Reagent kit for determination of components of urinary calculi

- Semi-quantitative determination
- Measurement of most important components in order to classify calculi
- For routine use
- Good correlation to infrared spectrometry and X-ray examination
- Economic alternative - no expensive equipment needed
Specimen:

Urinary calculi, collected or excised bladder stones or kidney stones

Measured components:

- Calcium
- Oxalate
- Phosphate
- Magnesium
- Ammonium
- Uric acid
- Cystine
- Carbonate (qualitative)

Derived compounds:

- CaC.O.x H.O    Whewellite    Calcium oxalate
- MgNH4PO4 x 6 H.O  Struvite    Magnesium ammonium phosphate
- CaHPO4 x 2 H.O   Brushite    Calcium hydrogen phosphate
- Ca10(PO4)6(OH)2    Apatite    tri-Calcium phosphate
- Ammonium urate
- Uric acid
- Cystine

Method

Semiquantitative measurement.
Titrimetric determination of calcium.
Colorimetric determination/visual assessment of oxalate, phosphate, magnesium, ammonium, uric acid, and cystine.
Qualitative determination of carbonate.

Order information

Cat. No. 1 3139 99 90 351
Reagent kit for 100 determinations of each component