
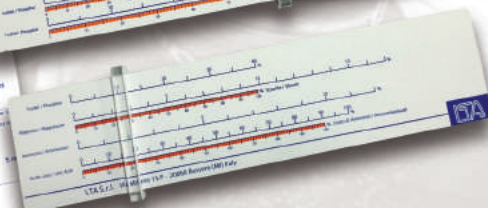
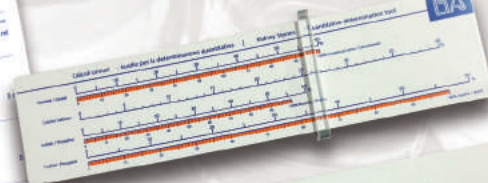


# Kidney stone analysis



## Semiquantitative colorimetric determination of kidney stone composition

- CALCIUM
- MAGNESIUM
- AMMONIUM
- CYSTINE
- OXALATE
- PHOSFATE
- URIC ACID



LTA

# LTA KIDNEY STONE ANALYSIS KIT

Complete kit for the identification of chemical elements in kidney and urinary stones:

- Semi-quantitative colorimetric detection of calcium, magnesium, ammonium, oxalate, phosphate, uric acid and cystine
- Mathematical procedure to identify main chemical compounds responsible of kidney stones



## Kidney stones chemical classification

TYPE	POPULATION	MAIN CAUSE
Calcium oxalate (Whewellite)	80 %	Alkaline urine
Magnesium ammonium phosphate (Struvite)	10-15 %	Alkaline urine
Calcium hydrogen phosphate (Brushite)	5-10 %	Acidic urine
Ammonium urate/uric acid	5-10 %	Kidney infections
Cysteine/Cystine	1-2 %	Rare genetic disorders

*NB: Mixed origin of kidney stone is quite common (e.g. 25% calcium oxalate and 75% calcium phosphate)*

