

Urine Citrate

Description	24hr urinary Citrate.
Indication	<p>Citrate is an important inhibitory substance in the urinary tract which forms soluble complexes with calcium. It reduces the saturation of calcium phosphate and calcium oxalate, inhibiting crystallization and enlargement of kidney stones. As a result, it decreases the formation of calcium-containing stones.</p> <p>Urine citrate is measured in renal stone patients at diagnosis and is used to monitor treatment with potassium citrate.</p>
Additional Info	This test is not performed on site but sent to a referral laboratory.
Concurrent Tests	Urine pH, urine oxalate
Dietary Requirements	N/A
Interpretation	Hypocitraturia is frequently observed in patients with idiopathic kidney stones. Several reports have shown that patients with calcium oxalate renal stone have lower citrate excretion than control subjects. A low citrate is associated with renal tubular acidosis, low potassium, chronic diarrhoea, UTI.
Collection Conditions	24hr urine collected into a plain container (no preservative)
Frequency of testing	Every 10 days