

KidneySeq™ Nephrolithiasis/Nephrocalcinosis		
Cost: \$2000 CPT Codes: 81404, 81405, 81406, 81407, 81479		
Disease	Inheritance Pattern	Gene(s)
APRT deficiency (stones and ESRD)	AR	<i>APRT</i>
Bartter syndrome	AD	<i>CaSR</i>
	AR	<i>KCNJ1, SLC12A1</i>
Cystinuria	AD, AR	<i>SLC3A1, SLC34A1, SLC7A9</i>
Dent disease	XLR	<i>CLCN5, OCRL</i>
Familial hypocalciuric hypercalcemia	AD	<i>CaSR</i>
Fanconi syndrome, generalized proximal defect	AD	<i>EHHADH, HNF4A</i>
	AR	<i>ATP7B, CTNS, FAH, SLC34A1</i>
	XLR	<i>CLCN5</i>
Hypercalcemia, infantile	AR	<i>CYP24A1</i>
Hypercalciuria	AD	<i>ADCY10</i>
Hyperoxaluria, primary	AR	<i>AGXT, GRHPR, HOGA1</i>
Hypocalcemia, autosomal dominant	AD	<i>CASR</i>
Hypomagnesemia with hypercalciuria	AR	<i>CLDN16, CLDN19</i>
Hypophosphatasia, adult*	AD, AR	<i>ALPL*</i>
Hypophosphatasia, child*	AR	<i>ALPL*</i>
Hypophosphatasia, infantile*	AR	<i>ALPL*</i>
Hypophosphatemic rickets	AD	<i>FGF23, SGK3</i>
	AR	<i>DMP1, ENPP1, SLC34A3, VDR</i>
	XLR	<i>CLCN5, PHEX</i>
Hypouricemia, renal	AD	<i>SLC2A9</i>
	AR	<i>SLC22A12</i>
Lesch-Nyhan syndrome	XLR	<i>HPRT1</i>
Nephrolithiasis/osteoporosis, hypophosphatemic	AD	<i>SLC9A3R1</i>
Renal tubular acidosis, distal	AD, AR	<i>ATP6V0A4, ATP6V1B1, ATP6V1C2*, FOXI1, SLC4A1, WDR72*</i>
Renal tubular acidosis, proximal	AD	<i>EHHADH, HNF4A</i>
	AR	<i>ATP7B, CTNS, FAH, SLC34A1, SLC4A4</i>
	XLR	<i>ATP7B, CLCN5</i>
Xanthine oxidase deficiency	AR	<i>XDH</i>

*New to KidneySeq™