**INDICATIONS FOR TESTING**
Hypercalcemia (defined as serum calcium ≥10.3 mg/dL)

**ORDER**
Calcium, Serum or Plasma
(add Albumin by Nephelometry, if not previously tested)
OR
Calcium, Ionized, Serum

Hypercalcemia confirmed
Clinical evaluation to rule out other causes, such as metastatic disease

**ORDER**
Parathyroid Hormone, Intact

Low or high

**ORDER**
Parathyroid Hormone-Related Peptide (PTHrP) by LC-MS/MS, Plasma

Low or normal

**ORDER**
Vitamin D, 1, 25-Dihydroxy

Low or normal
Vitamin D excess
Cancers
Milk-alkali Syndrome
Hyperthyroidism

High
Lymphoma or granulomatous disease (sarcoidosis)

High
Primary hyperparathyroidism

Normal or high
Primary hyperparathyroidism

**ORDER**
Calcium, Urine

Low (<100 pg/mL)
Familial benign hypercalcemia

High (≥100 pg/mL)
Primary hyperparathyroidism