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

ORDER
Calcium, Serum or Plasma
(add Albumin by Nephelometry on LTD, 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

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