INDICATIONS FOR TESTING

Hypercalcemia (defined as serum calcium \( \geq 10.3 \) mg/dL)

Confirm hypercalcemia
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

Vitamin D excess
Cancers
Milk-alkali Syndrome
Hyperthyroidism

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

Low or normal
ORDER
Vitamin D, 1, 25-Dihydroxy

Low
Cancer

High
Lymphoma or granulomatous disease (sarcoidosis)

Primary hyperparathyroidism
ORDER
Calcium, Urine

High (>100)
Primary hyperparathyroidism

Low (<100)
Familial benign hypercalcemia