

About This Test

Calcium is the most abundant mineral element in the body. Blood calcium levels do not indicate levels of bone calcium but rather how much calcium is circulating in the blood.

A blood calcium test is ordered to screen for, diagnose, and monitor a range of conditions relating to the bones, heart, nerves, kidneys, and teeth. The test may also be ordered if a person has symptoms of a parathyroid disorder, malabsorption, or an overactive thyroid.

A total calcium level is often measured as part of a routine health screening. It is included in the comprehensive metabolic panel (CMP) and the basic metabolic panel (BMP), groups of tests that are performed together to diagnose or monitor a variety of conditions.

What Should I Do With My Results?

A normal total calcium result together with other normal laboratory results generally means that a person's calcium metabolism is normal and blood levels are being appropriately regulated.

There could be several reasons for abnormal results. If the blood calcium is abnormal, measuring calcium and PTH together can help determine whether the parathyroid glands are functioning normally. If you have questions about your results, consult your health care provider.

High calcium results (hypercalcemia) could be caused by:

- Hyperparathyroidism, an increase in parathyroid gland function
- Cancer
- Hyperthyroidism
- Sarcoidosis
- Tuberculosis
- Prolonged immobilization
- Excess vitamin D intake
- Thiazide diuretics

Low calcium results (hypocalcemia) could be caused by:

- Low blood protein levels
- Underactive parathyroid gland (hypoparathyroidism)
- Intestinal malabsorption
- Medications
- Inherited resistance to the effects of parathyroid hormone
- Extreme deficiency in dietary calcium
- Decreased levels of vitamin D
- Magnesium deficiency
- Increased levels of phosphorus
- Acute inflammation of the pancreas (pancreatitis)
- Renal failure



CALCIUM

Test Information

Our Calcium testing methodology is Spectrophotometric. Spectrophotometry is a method to measure how much a chemical substance absorbs light by measuring the intensity of light as a beam of light passes through sample solution.

How Do I Obtain My Results?

Results are available through our online patient portal, My Labs NowSM. Visit www.compunetlab.com to sign in or setup an account. Or text MYLABS to 66349. Follow The signup link in the text message you receive. Please be sure your name exactly matches the name on your lab test order. Contact help@luminarehealth.com if you need assistance. CompuNet is unable to provide verbal results to patients.

I Do Not Have a Regular Doctor. Where Can I Find One?

If you do not have a doctor, we recommend the following resources to locate one:

Premier Health Find a Doctor

(937) 684-4155 or 1-855-PREMIER
www.premierhealth.com/findadoc

WebMD Care

www.doctor.webmd.com

CompuNet DIRECT is direct access, preventative testing intended for education purposes. A CompuNet DIRECT lab test result is not a medical diagnosis and is not intended as a form of medical advice. Only a physician can interpret lab test results and diagnose a medical condition or disease.

Because tests have not been ordered by a physician, third-party entities, including Medicare and Medicaid, will not reimburse for these tests.