

**Reporting Title:** Calcium, Ionized, S  
**Performing Location:** Mayo Clinic Laboratories - Rochester Main Campus

**Specimen Requirements:**

**Container/Tube:** Serum gel or serum gel microtainer

**Specimen Volume:** Full tube

**Collection Instructions:**

- 1. Allow blood to clot for 30 minutes.
- 2. Serum gel tube/microtainer must be centrifuged within 1 hour of collection. Centrifuge with stopper in place for 7 minutes at 3000 rpm to ensure that the gel barrier separates the serum and cells.
- 3. **Keep specimen anaerobic; do not aliquot.**
- 4. **Test cannot be combined with other testing. Separate specimens must be submitted when multiple tests are ordered.**

**Forms:**

If not ordering electronically, complete, print, and send a [Renal Diagnostics Test Request](#) (T830) with the specimen.

Specimen Type	Temperature	Time	Special Container
Serum SST	Refrigerated	7 days	SERUM GEL TUBE

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
CAIS	Calcium, Ionized, S	Numeric	mg/dL	57333-7
PHCC	pH	Numeric		2753-2

LOINC® and CPT codes are provided by the performing laboratory.

**Supplemental Report:**

No

**CPT Code Information:**

82330

**Reference Values:**

IONIZED CALCIUM

- < or =13 days old: Not established
- 14 days-<1 year: 5.21-5.99 mg/dL
- 1-<2 years: 5.04-5.84 mg/dL
- 2-<3 years: 4.87-5.67 mg/dL
- 3-23 years: 4.83-5.52 mg/dL
- 24-97 years: 4.57-5.43 mg/dL
- > or =98 years: Not established

pH

< or =13 days old: Not established

14 days-97 years old: 7.35-7.48

> or =98 years old: Not established

For International System of Units (SI) conversion for Reference Values, see

[www.mayocliniclabs.com/order-tests/si-unit-conversion.html](http://www.mayocliniclabs.com/order-tests/si-unit-conversion.html).