



MAYO
Mayo Medical Laboratories
1-800-533-1710

NEW TEST ANNOUNCEMENT

NOTIFICATION DATE: May 15, 2013

EFFECTIVE DATE: June 18, 2013

CALCIUM SENSING RECEPTOR (CASR) GENE, FULL GENE ANALYSIS

Test ID: CSRSP

USEFUL FOR:

- Confirming or ruling out a suspected diagnosis of familial hypocalciuric hypercalcemia
- As part of the workup of some patients with primary hyperparathyroidism
- Confirming or ruling out a suspected diagnosis of neonatal severe primary hyperparathyroidism
- Confirming or ruling out a suspected diagnosis of autosomal dominant hypoparathyroidism
- As part of the workup of idiopathic hypoparathyroidism
- As part of the workup of patients with Bartter syndrome

METHODOLOGY: Polymerase Chain Reaction (PCR) Amplification/DNA Sequencing

REFERENCE VALUES: An interpretive report will be provided

SPECIMEN REQUIREMENTS:

Specimen must arrive within 96 hours of draw.

Container/Tube: Lavender top (EDTA)

Specimen Volume: 3 mL

Minimum Volume: 0.2 mL

Collection Instructions:

1. Invert several times to mix blood.
2. Send specimen in original tube.

FORMS:

1. Calcium Sensing Receptor (CASR) Gene Testing Patient Information Sheet (Supply T551) in Special Instructions
2. New York Clients-Informed consent is required. Please document on the request form or electronic order that a copy is on file. An Informed Consent for Genetic Testing (Supply T576) is available in Special Instructions.

SPECIMEN STABILITY INFORMATION:

SpecimenType	Temperature
Whole Blood EDTA	Refrigerated (preferred)
	Ambient
	Frozen

CAUTIONS: Transfusions will interfere with testing for up to 4 to 6 weeks. DNA obtained from white cells may not provide useful information for patients who received a recent transfusion of blood that was not leukocyte reduced. Wait 4 to 6 weeks until transfused cells have left the patient's circulation before drawing the patient's blood specimen for genotype testing.

CPT CODE: 81479

DAY(S) SET UP: Monday

ANALYTIC TIME: 5 days

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or David O'Brien, MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710