

TEST CHANGE

Creatinine With eGFR ~~Glomerular Filtration Rate (Estimated)~~

3005478, GFR EST

Specimen Requirements:

Patient Preparation:

Collect: Plasma separator tube or serum separator tube.

Specimen Preparation: Allow specimen to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 2 hours of collection. Transfer 1 mL serum or plasma to an ARUP standard transport tube. ~~Standard Transport Tube~~. (Min: 0.2 mL)

Transport Temperature: Refrigerated.

Unacceptable Conditions: Specimens obtained through catheters used to infuse hyperalimentation fluid. Specimens collected with potassium oxalate/sodium fluoride or sodium citrate.

Remarks: Patient age and sex are required for calculation.

Stability: After separation from cells: Ambient: 1 week; Refrigerated: 1 week; Frozen: 3 months

Methodology: Quantitative Enzymatic Assay

Performed: Sun-Sat

Reported: Within 24 hours

Note:

CPT Codes: 82565

New York DOH Approval Status: This test is New York DOH approved.

Interpretive Data:

The estimated glomerular filtration rate (eGFR) was calculated using the 2021 CKD-EPI eGFR creatinine equation, which does not include race as a factor. This equation is validated in individuals 18 years of age and older. Accurate estimation of GFR requires stable day-to-day creatinine. Creatinine-based eGFR is less accurate in patients with extremes of muscle mass, restriction of dietary protein, ingestion of creatine, extra-renal metabolism of creatinine, or treatment with medications that affect renal tubular creatinine secretion. The eGFR is normalized to a body surface area of 1.73 square meters.

GFR Categories in Chronic Kidney Disease (CKD)

GFR Category	GFR (mL/min/1.73 square meters)	Interpretation
G1	90 or greater	Normal to high*
G2	60-89	Mild decrease*
G3a	45-59	Mild to moderate decrease
G3b	30-44	Moderate to severe decrease
G4	15-29	Severe decrease
G5	14 or less	Kidney failure
		*In the absence of evidence of kidney damage, neither GFR category G1 nor G2 fulfill the criteria for CKD (Kidney Int Suppl 2013;3:1-150)

Reference Interval:

Refer to Report

Calculated GFR - >= 60 mL/min / 1.73 square meters