
Lab Dept: Chemistry

Test Name: IMMUNOREACTIVE TRYPsinOGEN,
QUANTITATIVE

General Information

Lab Order Codes: IRTQ

Synonyms: Immuno Trypsinogen

CPT Codes: 83519 - Immunoassay, analyte, quantitative; by radiopharmaceutical technique

Test Includes: Immunoreactive Trypsinogen level reported in ng/mL.

Logistics

Test Indications: A sensitive test for pancreatic insufficiency, whether due to Cystic Fibrosis or other causes. Low serum IRT suggests severely impaired exocrine pancreatic function. Between 2 and 7 years of age, this test is of little diagnostic value in CF, but may be useful in other causes of pancreatic insufficiency. After age 7, this can reliably distinguish between CF patients with or without pancreatic insufficiency

Lab Testing Sections: Chemistry - Sendouts

Referred to: Children's Hospital, Pediatric CRC, Denver, Colorado

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 3 - 15 days, test set up weekly

Special Instructions: This test is for patients ≥ 8 years of age.

Specimen

Specimen Type: Blood

Container: Red top (plain, no gel) tube
Alternate tube: Purple top (EDTA) tube

Draw Volume: 3 mL blood

Processed Volume:	1 mL (Minimum: 0.5 mL) serum or EDTA plasma
Collection:	Routine venipuncture
Special Processing:	Lab Staff: Centrifuge specimen, remove serum/plasma aliquot into a screw-capped round bottom plastic vial. Store and ship overnight Monday – Thursday at frozen temperatures. Send on dry ice. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:	10 - 57 ng/mL Patients with pancreatic insufficiency may have levels as low as 1.5 ng/mL, although levels may overlap with the normal range.
Critical Values:	N/A
Limitations:	Between 2 and 7 years of age, this test is of little diagnostic value in CF, but may be useful in other causes of pancreatic insufficiency.
Methodology:	Radioimmunoassay (RIA)
References:	Children's Hospital, Pediatric CRC, Denver, Colorado, 2012