
Lab Dept: Chemistry

Test Name: VASOACTIVE INTESTINAL POLYPEPTIDE

General Information

Lab Order Codes: VIPP

Synonyms: Vasoactive Intestinal Polypeptide (VIP), Plasma

CPT Codes: 84586 - Vasoactive Intestinal Polypeptide

Test Includes: VIP level reported in pg/mL.

Logistics

Test Indications: Useful for detection of VIPoma in patients with chronic diarrheal diseases.

Lab Testing Sections: Chemistry - Sendouts

Referred to: Mayo Medical Laboratories (MML Test: 8150/VIP)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 3 – 8 days, test set up Monday and Wednesday

Special Instructions: See [Patient Preparation](#) below

Specimen

Specimen Type: Whole blood

Container: Lavender top (EDTA) tube

Draw Volume: 3 mL (Minimum: 1.7 mL) blood

Processed Volume: 1 mL (Minimum: 0.55 mL) plasma

Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen immediately, remove plasma aliquot into a screw-capped round bottom plastic vial. Store and ship at frozen temperatures. Forward promptly.

Patient Preparation: This test should not be requested on patients who have recently received radioactive material. Patient should be fasting (recommended 8 hours).

Sample Rejection: Gross hemolysis; gross lipemia; mislabeled or unlabeled specimens

Interpretive

Reference Range: <75 pg/mL

Interpretation: Values >75 pg/mL may indicate presence of enteropancreatic tumor causing hypersecretion of vasoactive intestinal polypeptide (VIP).

Values >200 pg/mL are strongly suggestive of VIP producing tumors (VIPoma). VIPoma is unlikely with 24 hour stool volume <700 mL.

Critical Values: N/A

Limitations: This test should not be performed on patients who have recently received radioactive material.

Methodology: Radioimmunoassay (RIA)

References: [Mayo Medical Laboratories](#) July 2013