

---

**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