# General Information

**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

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**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](https://www.mayoclinic.org) July 2013