

# Gastrin (Gut Hormones)

## Synonyms

## Clinical Indication

Used in diagnosis of the Zollinger-Ellison syndrome (along with proven excessive gastrin secretion) and the investigation of other GI peptide producing tumours. Forms part of the gut hormone profile. This of particular interest in patients with persistent ulcer symptoms and also those with suspected familial multiple endocrine neoplasia type 1.

Please provide details of all drugs currently administered, details of any gastric surgery, basal and stimulated acid output.

## Part of Profile / See Also

Gut Hormone profile

## Request Form

Combined Pathology manual Blood form or ICE request

## Availability / Frequency of Analysis

Referral test: analysed by Clinical Biochemistry, Charing Cross Hospital, London, if specific criteria met. [8763](#)

## Turnaround Time

1 month

## Patient Preparation

Patient should be fasting. H2 antagonists should be stopped for 72 hours, and omeprazole for 2 weeks. Patients must attend Basildon or Southend Hospital phlebotomy for sample collection. **Sample must be taken to the laboratory immediately. Samples received that are > 30 minutes old may not be processed.**

## Sample Requirements

### Specimen Type

Plasma

### Volume

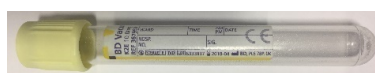
2 ml

### Container



Large Green top (Lithium Heparin) tube.

OR



Lemon top (EDTA)

**Samples must be transported to laboratory immediately.**

## Reference Range & Units

0 – 40 pmol/L

**Interferences**

See patient preparation

**Interpretation & Clinical**

Full interpretation provided with the referral report.

**Decision Value (if applicable)**
**References**

Imperial Hospital Pathology Test Directory – Gastrin

**Test code**

GAS ( Gastrin)      GUT (Gut Hormone)

**Lab Handling**

Centrifuge and aliquot within 30 minutes (max 1 hour) of venepuncture into two tubes and store in the frozen referrals rack at -20°C. Ensure the sample type is written on the aliquot. Sent frozen by courier to Charing Cross Hospital.



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