



# Chromogranin A/B

## Synonyms

CgA, CgB

## Clinical Indication

Chromogranins are produced by a variety of normal and malignant neuroendocrine and sympathetic neuronal cells and may serve as a clinically useful marker for hormone-negative endocrine neoplasia.

Chromogranins are raised in neuroendocrine tumours and can be used for monitoring treatment and detecting recurrence.

**Suspected gastrinoma/somatostatinoma or Zollinger-Ellison syndrome:** hypergastrinaemia, dyspepsia, diarrhoea, steatorrhoea, mixed endocrinopathy

**VIPoma:** watery diarrhoea, hypokalaemia, achlorhydria, hypotension and flushing/vasodilation

**Glucagonoma:** hyperglycaemia refractory to insulin, skin lesions, diarrhoea and stomatitis.

**Patient must be fasting prior to this test.**

## Part of Profile / See Also

Fasting gut hormones

## Request Form

Combined Pathology manual Blood form or ICE request

## Availability / Frequency of Analysis

Analysed by Clinical Biochemistry, Charing Cross Hospital if specific criteria met.

## Turnaround Time

3 weeks

## Patient Preparation

Patient must fast prior to this test. Non-fasting requests will not be processed.

## Sample Requirements

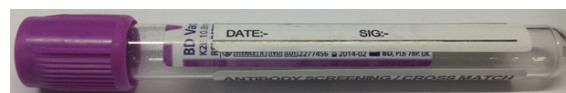
### Specimen Type

Plasma

### Volume

3 ml

### Container



Large purple top (EDTA) tube



Or Lemon top (EDTA)

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

## Reference Range & Units

Chromogranin A: Less than 60 pmol/L

Chromogranin B: Less than 150 pmol/L

## Interferences

Poor renal function will lead to elevated levels

**Interpretation & Clinical**

**Decision Value (if applicable)**

CgA may be raised in all conditions associated with hypergastrinaemia. However, high levels (>150 pmol/L) are more likely to be associated with neuroendocrine neoplasia. In the presence of supporting clinical signs and symptoms, raised CgA and/or CgB may be consistent with a diagnosis of neuroendocrine neoplasia.

**References**

North West London Pathology – Test Directory – Chromogranin A/b

**Test code**

**CGAB**

**Lab Handling**

Centrifuge and aliquot within 30 minutes of venepuncture into 2 tubes and store in the frozen referrals rack at -20°C. Please ensure you write the sample type on the aliquots. Samples sent frozen by courier to Charing Cross Hospital, London.