

# Glomerular Basement Membrane Antibodies

## Synonyms

GBM

## Clinical Indication

- Rapidly progressive glomerulonephritis (RPGN)
- Acute renal failure
- Haemoptysis

Please note: Early diagnosis is important as untreated patients will suffer extensive tissue damage which in extreme cases may result in death.

It is essential to provide relevant clinical information.

It is essential to inform the laboratory by telephone (01268 968278) of any urgent requests.

## Part of Profile / See Also

Detection of IgG antibodies against the non-collagenous portion of type IV collagen

## Request Form

Combined Pathology manual blood request form or ICE request

## Availability / Frequency of Analysis

[Urgent same/next day analysis must be discussed with laboratory and samples must be in the lab by 12pm.](#)

Assay is performed daily Monday-Friday as required

## Turnaround Time

Urgent requests received in the laboratory before 12pm will be processed the same day.

All other requests are performed on the next routine working day after receipt of the sample.

## Patient Preparation

No special preparation is required

## Sample Requirements

\*Please note a separate sample is required when Immunology tests are requested in addition to Biochemistry tests\*

## Specimen Type

Serum

## Volume

2 ml

## Container



Yellow top (SST) tube



Or

Paediatric Yellow top (SST) tube

**Samples should be transported to the laboratory as soon as is practicably possible.**

## Reference Range & Units

Samples will be tested for the presence of anti-GBM by Enzyme Immunoassay (EIA)

Negative: <7 U/mL

Equivocal: 7-10 U/mL

Positive: >10 U/mL

## Interferences

Heavily haemolysed or lipaemic samples are not suitable

**Interpretation & Clinical**

**Decision Value (if applicable)**

The presence of GBM antibodies is highly suggestive of Goodpasture's disease.

It has been noted that 10-35% of patients with anti-GBM antibodies also have anti-neutrophil antibodies (ANCA)

**References**

<https://labtestsonline.org.uk>

**Test code**

GBMP

**Lab Handling**

Aliquot and store at 4-8°C prior to testing and at -20°C or below for up to 1 month after receipt.