







7880
Accredited to
ISO 15189:2012

Growth Hormone

Synonyms	hGH, GH and Somatotrophin
Clinical Indication	Random Growth Hormone (GH) measurements are of limited value. Dynamic tests are required for proper diagnosis. For investigation of acromegaly an IGF1 level or growth hormone suppression test is of greater value.
Part of Profile / See Also	Also form part of growth hormone suppression test or growth hormone stimulation tests (insulin stress test).
Request Form	Combined Pathology manual Blood form or ICE request
Availability / Frequency of Analysis	On request.
Turnaround Time	One week.
Patient Preparation	None required
Sample Requirements	
Specimen Type	Serum or plasma
Volume	2 ml (600µl in paediatric tubes)
Container	 Gold-top (SST) tube Or  Green-top (lithium heparin) tube Paediatric tubes  Paediatric green-top (lithium heparin) tube Or  Paediatric orange-top (lithium heparin) tube
	<p>May be advisable to send more than one paediatric tube if other tests required.</p> <p>Plain serum tubes may also be used</p>

Reference Range & Units	Random GH levels are of limited value due to pulsatile release and a low random GH is not diagnostic of deficiency. A level below 0.4 ug/L with a normal IGF-1 excludes acromegaly.
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Interferences

Interpretation & Clinical

Decision Value (if applicable)

References

Katznelson L, Atkinson JLD, Cook DM, et al. American Association of Clinical Endocrinologists medical guidelines for clinical practice for the diagnosis and treatment of acromegaly - 2011 update. *Endocr Pract.* 2011;17(Suppl 4):1-44

Test code

GH

Lab Handling

Aliquot and freeze at -20°C.