

**GROWTH HORMONE (GH)
SUPPRESSION BY GLUCOSE,
SERUM
(CLIA)**

GH, Basal	ng/mL	
GH Post Glucose Load		
60 minutes		-
120 minutes		-

Note: Suppressant is a solution of 75 g glucose administered orally .

Link growth hormone levels to age in basal reference range

Reference Group	Reference Range in ng/mL
0-7 years	1.0-13.6
8-11 years	1.0-16.4
12-15 years	1.0-14.4
16-19 years	1.0-13.4
20-60 years	
Males	0.0-4.0
Females	0.0-18.0
>60 years	
Males	1.0-9.0
Females	1.0-16.0

Interpretation

- Serum Growth hormone level in normal individuals is < 2 ng/mL post suppression

- Patients suffering from Acromegaly fail to show suppression and may show a paradoxical increase in Growth hormone level
- False positive results are seen in patients with Liver disease, Uremia & Heroin addiction

Clinical Use

To establish excess Growth hormone production as in Acromegaly & Gigantism

Dr Lal Pathlabs