Insulin like Growth Factor Binding Protein

General:

Insulin-like growth factor binding proteins are transport proteins, protecting the organism against the hypoglycemic effect of somatomedin. They modulate the biological effects of somatomedin. Osteoblasts are the main produc-ers of IGFBP-3. Vice versa, human growth hormone (GH) is considered the most important modulator for IGFBP-3. Due to higher stability (less cir-cadian rhythmicity) than HGH, IGFBP-3 reflects much better the growth hormone secretion over several days. A single determination is sufficient. Beside IGF-1, IGFBP-3 shows a distinctive age-dependence with low values in infants and children and a peak during puberty. IGFPB-3 is especially suitable for differentiating hyposomic children without growth hormone defi-ciency from children with “classical” growth hormone deficiency. IGFBP-3 shows high diagnostic accuracy. IGF-1 is reliable in elder children only (> 8 years old), as the low normal range of IGF-1 in infants is less accurate than IGFBP-3.

Indication:	Diagnosis of the “classical” hyposomia, acromegaly, monitoring the treatment of acromegaly
Material:	1 ml serum, **frozen**
TAT:	7-10 days*
Method:	LIA
Units:	µg/ml
Ref.- range:	see report

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit
http://www.fml-dubai.com/parameter-listings/

Updated 24/03/2022