



*Immunoassay Unit*

## IGF-1

### **Quantitative determination of IGF-1 in uman serum**

Measurement of IGF-1 is helpful in the diagnosis of  
Primary Insulin-like Growth Factor Deficiency (IGFD)

**Diametra is part of IDS group**



## CLINICAL SIGNIFICANCE

IGF-1 ELISA kit is a direct label 2-site ELISA intended for the quantitative determination of IGF-1 in human serum.

Measurement of IGF-1 is helpful in the diagnosis of Primary Insulin-like Growth Factor Deficiency (IGFD).

IGFD diagnosis is made by identifying a growth or short stature problem by ruling out other underlying diseases or causes of poor growth and eliminating the possibility of growth hormone deficiency while measuring low levels of IGF-1 in the blood.

Primary IGFD may be divided into moderate and severe forms based on how low the IGF-1 levels are relative to other children of the same age as well as the degree of short stature.

### Features & Benefits:

Simple and short 1 + 1/4 hour assay procedure

2 internal controls included

Diametra IGF-1 kit was compared to a commercially available kit (Immulite 2000).

$$Y = 0.61X + 25.4 \quad r^2 = 0.939$$

Detection limit : 8.7 ng/ml

Analytical range: 15 – 600 ng/ml

### REFERENCES:

- 1) ROSENFELD R.G., WILSON D.M., LEE P.D.K. and HINTZ R.L. (1986) Insulin-like growth factors I and II in evaluation of growth retardation. *J. Pediatr.*, 109 : 428.
- 2) RUDMAN D., KUTNER M.H. and CHAWLA R.K. (1985) The short child with subnormal plasma somatomedin-C. *Pediatric Res.*, 19(10) : 975-980
- 3) ALBERTSSON-WIKLAND K. and HALL K. (1987) Growth hormone treatment in short children : relationship between growth and serum Insulin-like growth factor 1 and II levels. *Endocrinol Metab.*, 65 : 671. *J. Clin.*

### Ordering Information

<b>DKO186</b>	<b>IGF-1</b>
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