AM-248

Quantification of IGF-1 in Dried Blood Spots using ELISA

Insuline like Growth Factor 1 (IGF-1) is a protein hormone that is produced primarily by the liver in response to the stimulation of growth hormone (GH). It plays an important role in childhood growth and continues to have anabolic effects in adults.

IGF-1 levels are an indicator of growth hormone secretion; low values imply GH deficiency and high values are seen in acromegaly or gigantism. Low levels of IGF-1 is believed to reduce risk of cancer, diabetes, heart disease and Alzheimer´s, in addition to reduce biological aging.

Vitas AM-248 quantify IGF-1 in dried blood spots using a sandwich ELISA kit.

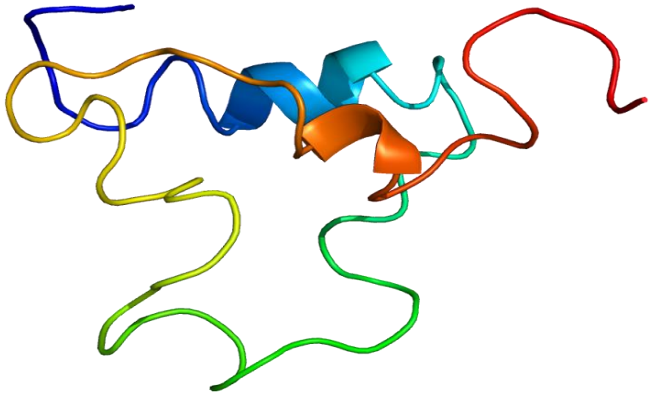
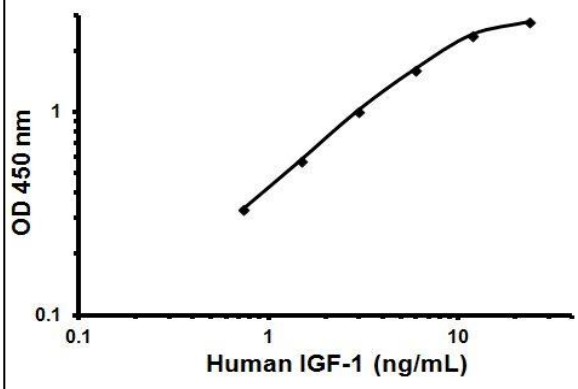


Illustration of the IGF-1 protein, a small peptide consisting of 70 amino acids

Method details:

- Technique: ELISA
- Sample Matrix: Dried Blood Spots
- Species: Human
- Sample amount: 60 µL/one full circle
- Range: 0.375-24 µg/ml
- Quantification limit: 0.3 µg/ml
- Intra-day precision: 4.9 %
- Inter-day precision: 7.1 %
- Shipping temp: Ambient

Standard curve of IGF-1 in DBS using ELISA



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VITAS ANALYTICAL SERVICES

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