

## Quantification of IL8 in human plasma/serum using ELISA

Interleukin 8 (IL-8) is a chemokine produced by macrophages and other cell types such as epithelial cells, airway smooth muscle cells and endothelial cells.

Interleukin-8 is often associated with inflammation. Secretion is increased by oxidant stress, which thereby cause the recruitment of inflammatory cells and induces a further increase in oxidant stress mediators, making it a key parameter in localized inflammation. IL-8 was shown to be associated with obesity. Expected value in human serum is 2.5-7.2 pg/ml.

Vitas AM-252 is a direct sandwich ELISA quantification method for interleucin-8 in human samples.

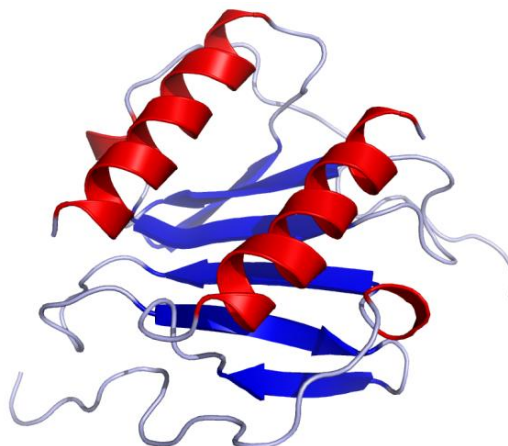
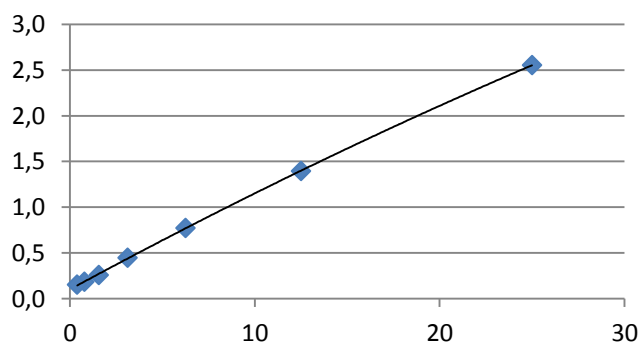


Illustration of IL-8

### **Method details:**

- Technique: ELISA
- Sample Matrix: Serum, plasma
- Species: Human
- Anticoagulant: All
- Sample volume: 100  $\mu$ l
- Shipping: Dry ice
- Method Range : 0.4-25 pg/ml
- LOD: 0.1 pg/ml
- Precision: < 15%

*Calibration curve for IL-8 in human plasma*



Vitas is a Norwegian GMP certified chemical analysis contract lab, with 20 years experience in providing a high quality, custom chromatographic analytical service based on cutting-edge knowledge and technology.