

Interleukin 1 beta

General:

Interleukin-1 (IL-1) is one of the first cytokines ever described. Its initial discovery was as a factor that could induce fever, control lymphocytes, increase the number of bone marrow cells and cause degeneration of bone joints. The members of the IL-1 superfamily are IL-1 α , IL-1 β , and the IL-1 receptor antagonist (IL-1RA).

Both IL-1 α and IL-1 β are produced by macrophages, monocytes and dendritic cells. They form an important part of the inflammatory response of the body against infection. These cytokines increase the expression of adhesion factors on endothelial cells to enable transmigration of leukocytes, the cells that fight pathogens, to sites of infection and reset the hypothalamus thermoregulatory center, leading to an increased body temperature which expresses itself as fever.

The following tests are available:

- **Interleukin 1-Beta**

Material: 1 ml serum, **Frozen**

TAT: 7-10 days*

Method: EIA

Units: pg/ml

Ref.- range: <5.0

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