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Dr.SAMPLE REPORT TEST HEALTH CENTRE 123 TEST STREET BURWOOD VIC 3125

SAMPLE REPORT 09-May-1990 Female

16 HARKER STREET BURWOOD VIC 3125

LAB ID: 3814146

UR NO.:

Collection Date: 09-May-2022 Received Date:09-May-2022

3814146

BIOCHEMISTRY

BLOOD - SERUM Result Range Units **FERRITIN** 366 *H 30 - 200 ng/mL **●**

Iron Studies Comment ELEVATED FERRITIN LEVEL:

Elevated levels are seen in cases of inflammation, liver disease, Metabolic Syndrome/Obesity/Diabetes and also where haemochromatosis is present.

HIGH SEN CRP 10.30 *H 0.00 - 5.00 mg/L

BLOOD - PLASMA

HOMOCYSTEINE 16.0 *H 5.0 - 12.0 umol/L

IMMUNOLOGY

BLOOD - SERUM Result Range Units

Interleukin 6 39.0 *H 0.0 - 11.0 pg/mL

ProInflammatory Cytokines Comment

INTERLEUKIN 6 COMMENT:

Interleukin-6 (IL-6) is a pro-inflammatory cytokine secreted by T cells and macrophages to stimulate immune response to trauma, especially burns or other tissue damage leading to inflammation. Additionally osteoblasts to stimulate osteoclast formation. Inhibitors of IL-6 (including estrogen) are used to treat postmenopausal osteoporosis. IL-6 is one of the most important mediators of fever and of the acute phase response. In the muscle and fatty tissue IL-6 stimulates energy mobilization which leads to increased body temperature. IL-6 can be secreted by macrophages in response to pathogen associated molecular patterns (PAMPs) binding the Toll-like Receptor (TLR) present on an active macrophage.

IL-6 is also a "myokine," a cytokine produced from muscle, and is elevated in response to muscle contraction.

Tests ordered: FERR, HOMO, HCRP, IL-6, IMPEI, CFee

(*) Result outside normal reference range (H) Result is above upper limit of reference range

Page 1 of 1 Final Report Printed:May 13, 2022