INFORMATION LETTER

CALPROTECTIN IN SERUM, PLASMA, OTHER BODY FLUIDS AND SECRETIONS

Our ELISA technology has been used extensively since 1984 and its performance has been documented by fifteen doctoral theses and more than 100 articles in peer reviewed scientific journals; of these six theses and more than 50 articles deal with testing of serum, plasma, cerebrospinal fluid, synovial fluid, saliva and urine, for reference see: Johne B et al Molecular Pathology 1997;50:112-123.

A list of references sorted by diagnosis is given on page 2-5.

Handling of blood:

True levels of calprotectin in serum or plasma require that the protein is not released from neutrophil granulocytes in blood in vitro. The following procedure is recommended: centrifuge the blood at 3000 rpm for 10 minutes as soon as possible as and no longer than three hours after sampling; harvest serum or plasma by careful pipetting so that leucocytes from the buffy coat are not aspirated. For plasma, EDTA is the preferred anticoagulant. By careful handling of blood, levels in serum and plasma are similar.

Dilute the serum or plasma in the sample dilution solution given in our kits. The dilution factor can vary upon the measuring range of interest. Test the samples according to the packaging insert

Reference value:

Based upon testing of 204 healthy, regular blood donors a reference range (median +/- 2 SD) of 0.15 to 0.9 mg/l for plasma/serum is suggested (Kristinsson J et al., Dis Colon Rectum 1998;41:316-321).

For more information or requests, please take contact with us! You can reach us by e-mail (mail@calpro.no) or phone +47 4000 4279

Here is a list of references according diagnoses:

CALPRO AS,
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**Coronary heart disease:**


**Rheumatic disease:**


13) Calprotectin (a major leucocyte protein) is associated with the levels of anti-CCP and rheumatoid factor in a longitudinal study of patients with very early rheumatoid arthritis. Scand J Rheumatol. 2008 May-Jun;37(3):179-82. Hammer HB, Haavardsholm EA, Kvien TK.


**Ovarian and uterine cancer**


17) Plasma calprotectin concentrations in women with endometrial carcinoma. Gynecol Oncol 2009;114:491-495; Ni BH, Trovik J, Wik E, Stefanson IM, Akslen LA, Salvesen HB, Staff AC

**Preeclampsia**

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**Pancreatic cancer**


**Calprotectin syndrome**


**Cystic fibrosis**


**Cirrhosis**


**HIV**


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**Periodontitis**


**Extreme physical activity**


**Urinary tract infection**