

Technical Information

COMP

**Collagen resorption
Cartilage Oligomeric Matrix Protein**

Cat. No.: RD194080200
Tests: 96
Method: **ELISA**
Range: 4 - 128 ng/ml
Sensitivity / LOD: 0.5 ng/ml
Incubation time: 3.5 hours
Sample volume: 100 µl after dilution (dilute serum 1:50; dilute synovial fluid 1:500)
Sample type: Serum, Plasma (Heparin, EDTA, Citrate), synovial fluid
Sample preparation: Use samples immediately or store at -20 °C. Repeated freeze/thaw cycles (up to 5 times) do not affect results. Before use, thaw specimens at low temperature and mix them thoroughly. Specimens which are stored at room temperature for 7 days showed no loss of COMP.

Reference values: Normal values are age depended.
Normal range:
Mean +/- 2SD 790 +/- 846 ng/ml (165 female + 81 male, age 7-92)

Species: Human

Intended use:

Cartilage Oligomeric Matrix Protein is an abundant cartilage glycoprotein also found in tendon and other tissues. Synthesized by chondrocytes, synovial and other skeleton cells. Intact and fragmented COMP in synovial fluid or serum is correlating to cartilage degradation in OA and RA

RA disease: COMP levels can be used for monitoring the effect of anti-rheumatic drug therapy. Treatment with TNF- α blockers or adalimumab, suppresses COMP levels.

OA disease: Changes in serum COMP are prognostic for disease progression in knee OA. A significant serum COMP increase during the first year indicates progressive disease. Baseline COMP levels do not have prognostic significance.

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