



Biomarker Qualification Sheet

Qualified Imperacer® Assay for the Quantification of Interleukin 20 (IL-20) in Human Synovial Fluid

Interleukin 20 (IL-20):

Interleukin 20 (IL-20) is a member of the IL-10 cytokine family. IL-20 contributes to mucosal immunity enhancing innate defense mechanisms by stimulating epithelial cell proliferation and differentiation by inducing antimicrobial responses in epithelial cells and promoting inflammation through the recruitment and activation of neutrophils and other leukocytes.

IL-20 elevated pro-inflammatory and angiogenic activity is associated with e.g. psoriasis, rheumatoid arthritis, osteoarthritis.

Table 1: Assay setup

Analyte:	Interleukin 20 (IL-20)
Platform:	Imperacer® (Immuno-PCR)
Matrix:	Human synovial fluid
Status:	Qualified

Table 2: Assay details

Lower limit of quantification:	0.32 pg/ml
Upper limit of quantification:	5,000 pg/ml
Assay range:	0.32 to 1,000 pg/ml
Minimum required dilution:	1:4
Minimum sample volume:	18 µl