



Biomarker Qualification Sheet

Qualified Imperacer® Assay for the Quantification of Interleukin 1 alpha (IL-1 α) in Human Synovial Fluid

Interleukin 1 alpha (IL-1 α):

Interleukin 1 alpha (IL-1 α) is a pro-inflammatory cytokine. Released by activated macrophages, neutrophils, epithelial and endothelial cells, it plays a key role in immune response regulation, since it is active in very low concentrations.

IL-1 α is also known as hematopoietin 1 (H-1), fibroblast-activating factor (FAF), lymphocyte-activating factor (LAF), B-cell-activating factor (BAF), leukocyte endogenous mediator (LEM), epidermal cell-derived thymocyte-activating factor (ETAF), serum amyloid A inducer or hepatocyte-stimulating factor (HSP), catabolin, endogenous pyrogen (EP) and proteolysis-inducing factor (PIF).

Table 1: Assay setup

Analyte:	Interleukin 1 alpha (IL-1 α)
Platform:	Imperacer® (Immuno-PCR)
Matrix:	Human synovial fluid
Status:	Qualified

Table 2: Assay details

Lower limit of quantification:	0.3 pg/ml
Upper limit of quantification:	1,000 pg/ml
Assay range:	0.3 – 1,000 pg/ml
Minimum required dilution:	1:10
Minimum sample volume:	7 μ l