



Biomarker Qualification Sheet

Qualified Imperacer® Assay for the Quantification of Interleukin 10 (IL-10) in Human Plasma

Interleukin 10 (IL-10):

Interleukin 10 (IL-10) is an anti-inflammatory cytokine of 18 kDa (178 amino acids), released by T helper cells, B cells and monocytes and - during the immune response to viral infections - also from cytotoxic T cells and natural killer cells.

Among its effects are downregulation of cytokine expression of T cells (T_H1), antigen expression of MHC II and molecules released by macrophages. Under physical activity, it is secreted by muscle cells and inhibits the synthesis of pro-inflammatory cytokines like TNF alpha, GM-CSF, INF-γ and IL-2.

Table 1: Assay setup

Analyte:	Interleukin 10 (IL-10)
Platform:	Imperacer® (Immuno-PCR)
Matrix:	Human plasma
Status:	Qualified

Table 2: Assay details

Lower limit of quantification:	9 pg/ml
Upper limit of quantification:	19,683 pg/ml
Assay range:	9 – 19,683 pg/ml
Minimum required dilution:	
Minimum sample volume:	