



Biomarker Qualification Sheet

Qualified Imperacer® Assay for the Quantification of Interleukin receptor 6 (IL-6R) in Human Plasma

Interleukin receptor 6 (IL-6R):

Interleukin-6 Receptor (IL-6R, CD126) is a cytokine receptor interacting with IL-6 and ciliary neurotrophic factor. It consists of an IL-6 receptor subunit and an IL-6 signal transducer glycoprotein 130. Low concentration of a soluble form of IL-6R acts as an agonist of IL-6 activity, regulates immune response and cellular processes, and is thus associated with diseases like prostate cancer, autoimmune disease and multiple myeloma.

Table 1: Assay setup

Analyte:	Interleukin receptor 6 (IL-6R)
Platform:	Imperacer® (Immuno-PCR)
Matrix:	Human plasma
Status:	Qualified

Table 2: Assay details

Lower limit of quantification:	610 pg/ml
Upper limit of quantification:	150,000 pg/ml
Assay range:	610 – 150,000 pg/ml
Minimum required dilution:	1:2.3
Minimum sample volume:	30 µl