



## Biomarker Qualification Sheet

### Qualified Imperacer® Assay for the Quantification of Interleukin 6 (IL-6) in Human Serum

#### **Interleukin 6 (IL-6):**

Interleukin 6 (IL-6) is a pro-inflammatory cytokine and an anti-inflammatory myokine.

Released by T cells and macrophages, it mediates immune responses, acute phase response, inflammation and fever. It is capable of crossing the blood-brain barrier.

Under physical activity, it is secreted by muscle cells and inhibits pro-inflammatory TNF alpha while activating anti-inflammatory IL-10.

*Table 1: Assay setup*

<b>Analyte:</b>	Interleukin 6 (IL-6)
<b>Platform:</b>	Imperacer® (Immuno-PCR)
<b>Matrix:</b>	Human serum
<b>Status:</b>	Qualified

*Table 2: Assay details*

<b>Lower limit of quantification:</b>	0.31 pg/ml
<b>Upper limit of quantification:</b>	5,000 pg/ml
<b>Assay range:</b>	0.31 – 5,000 pg/ml
<b>Minimum required dilution:</b>	1:2.33
<b>Minimum sample volume:</b>	30 µl