



## Biomarker Qualification Sheet

### Qualified Imperacer® Assay for the Quantification of Interleukin 25 (IL-25) in Human Serum

#### **Interleukin 25 (IL-25):**

Interleukin 25 (IL-25), also known as Interleukin 17E (IL-17E), is a pro-inflammatory cytokine that mediates allergic reactions. It is produced by T cells, dendritic cells, macrophages, mast cells, basophils, eosinophils, epithelial cells and Paneth cells. IL-25 increases the production of IL-4, IL-5, IL-9 and IL-13 and decreases IFN gamma. It is controlling gut immunity and, due to its anti-tumor effect, can kill some types of breast cancer cells.

*Table 1: Assay setup*

<b>Analyte:</b>	Interleukin 25 (IL-25)
<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>	3 pg/ml
<b>Upper limit of quantification:</b>	2,190 pg/ml
<b>Assay range:</b>	1 – 2,190 pg/ml
<b>Minimum required dilution:</b>	1:20
<b>Minimum sample volume:</b>	3.5 µl