



## Biomarker Qualification Sheet

### Qualified Imperacer® Assay for the Quantification of VEGF in Human Aqueous Humor

#### **VEGF:**

The vascular endothelial growth factor (VEGF), originally known as vascular permeability factor (VPF), stimulates the formation of blood vessels, vasculogenesis and angiogenesis. High serum concentrations were found in patients with bronchial asthma and diabetes mellitus and poor prognosis in breast cancer, where it may indicate metastasis. VEGF induces endothelial cell proliferation, cell migration and blood vessel permeabilization, while it inhibits apoptosis.

Table 1: Assay setup

<b>Analyte:</b>	VEGF
<b>Platform:</b>	Imperacer® (Immuno-PCR)
<b>Matrix:</b>	Human aqueous humor
<b>Status:</b>	Qualified

Table 2: Assay details

<b>Lower limit of quantification:</b>	2.5 pg/ml
<b>Upper limit of quantification:</b>	10,000 pg/ml
<b>Assay range:</b>	0.79 – 10,000 pg/ml
<b>Minimum required dilution:</b>	1:40
<b>Minimum sample volume:</b>	1.75 µl