



Biomarker Qualification Sheet

Qualified Imperacer® Assay for the Quantification of Angiopoietin-2 (ANG-2) in Human Aqueous Humor

Angiopoietin-2:

Angiopoietins (ANG.1, -2 and -4 in human) form homomeric multimers and influence vascularization by modulating endothelial permeability and barrier function. Complementing ANG-1 activation of Tie2 receptor, and probably being an antagonist itself, ANG-2 complements the VEGF system in later stages of vascular development. Secreted by the endothelium, ANG-2 plasma levels are elevated in inflammatory and angiogenic diseases including cancer, including prostate adenocarcinoma, renal cell carcinoma, glioblastoma and melanoma, sepsis and malaria.

Table 1: Assay setup

Analyte:	Angiopoietin-2 (ANG-2)
Platform:	Imperacer® (Immuno-PCR)
Matrix:	Human aqueous humor
Status:	Qualified

Table 2: Assay details

Lower limit of quantification:	6 pg/ml
Upper limit of quantification:	5,000 pg/ml
Assay range:	0.7 – 10,000 pg/ml
Minimum required dilution:	1:7
Minimum sample volume:	10 µl