



Biomarker Qualification Sheet

Qualified Imperacer® Assay for the Quantification of Troponin-I in Human Serum

Troponin-I:

Troponin I is a cardiac and skeletal muscle protein and a useful marker of heart attacks, since cardiac troponin (cTnI) it is detectable in serum 4-6 hours after the onset of chest pain. It prevents myosin from binding to actin in relaxed muscles, but is also related to chronic kidney failure, heart failure, subarachnoid hemorrhage and pulmonary embolus.

Table 1: Assay setup

Analyte:	Troponin-I
Platform:	Imperacer® (Immuno-PCR)
Matrix:	Human serum
Status:	Qualified

Table 2: Assay details

Lower limit of quantification:	9.14 pg/ml
Upper limit of quantification:	20,000 pg/ml
Assay range:	9.14 – 20,000 pg/ml
Minimum required dilution:	
Minimum sample volume:	