

**Supplementary Table 1.** Interplate QC analysis

QC sample pool*		Signals		Statistics			Back-calculated concentrations		× dilution factor		Statistics									
Matrix	Sample ID on tube	Dilution	Rep#1	Rep#2	Mean	SD	% CVs	Mean interplate	SD interplate	%CV interplate	Rep#1	Rep#2	Rep#1	Rep#2	Mean replicates	SD	% CVs	Mean interplate	SD interplate	%CV interplate
Tears	QC plate#1	1:5	74.70	60.65	67.67	9.93	15%	65.66	2.84	4%	194.37	159.59	971.87	797.96	884.91	122.97	14%	780.88	147.12	19%
	QC plate#2	1:5	78.59	48.72	63.66	21.12	33%				168.73	102.01	843.63	510.07	676.85	235.86	35%			

\*6 different donor samples, randomly selected were pooled (for each sample 20 µL were used for a final volume of 120 µL) and analysed on both plates.  
 QC, quality control; SD, standard deviation; CV, coefficient of variation.