

Supplemental Data

	Age groups			Statistical comparison between groups		
	18-30 (n=85)	31-59 (n=147)	>59 (n=50)	18-30 vs 31-59	18-30 vs >59	31-59 vs >59
				P value	P value	P value
Freelite κ	9.98 mg/L	12.89 mg/L	14.03 mg/L	<0.0001	<0.0001	0.088
Freelite λ	11.03 mg/L	12.65 mg/L	12.72 mg/L	0.005	0.037	0.995
Freelite κ/λ	0.94	1.06	1.14	0.0059	0.0019	0.28
N latex κ	9.18 mg/L	12.51 mg/L	14.03 mg/L	<0.0001	<0.0001	0.009
N latex λ	14.3 mg/L	19.59 mg/L	21.88 mg/L	<0.0001	<0.0001	0.02
N latex κ/λ	0.66	0.67	0.66	0.945	0.966	0.906

Supplemental Data Table 1.

Age-dependent FLC K, FLC L and κ/λ ratio by N-Latex and Freelite.

Values represent means. For statistical comparison between age groups, 'Steel-Dwass-Critchlow-Fligner all pairs comparisons' method was used (Analyse-it for Excel).

Supplemental Data - Figures

Supplemental Data Figure 1

κ FLC, λ FLC and κ/λ ratio as a function of GFR by N-Latex and by Freelite in blood donors.

Supplemental Data Figure 2

Boxplot representation of κ FLC, λ FLC and κ/λ ratio in 282 blood donors (vertical thick lines represent the median value and boxes extend from the 25th to the 75th percentile).

Supplemental Data Figure 3

κ FLC, λ FLC and κ/λ ratio as a function of age by N-Latex and by Freelite in blood donors (with eGFR >60).

Supplemental Data Figure 4

κ/λ ratio determined by Freelite (y-axis) and by N-Latex (x-axis) in 282 blood donors, in 525 samples from MGUS patients and in 205 samples from MM patients. In the left hand panels, only data from blood donors (grey symbols) are given, in the middle panels, data from blood donors (grey symbols) and MGUS patients (blue symbols) are given and in the right hand panels, data from blood donors (grey symbols) and MM patients (orange symbols) are given. The upper and lower reference ranges are indicated in blue dashed lines. In the upper panels, references ranges proposed by the manufacturers are given, whereas in the lower panels reference ranges derived from this study are given.

Fig. 1

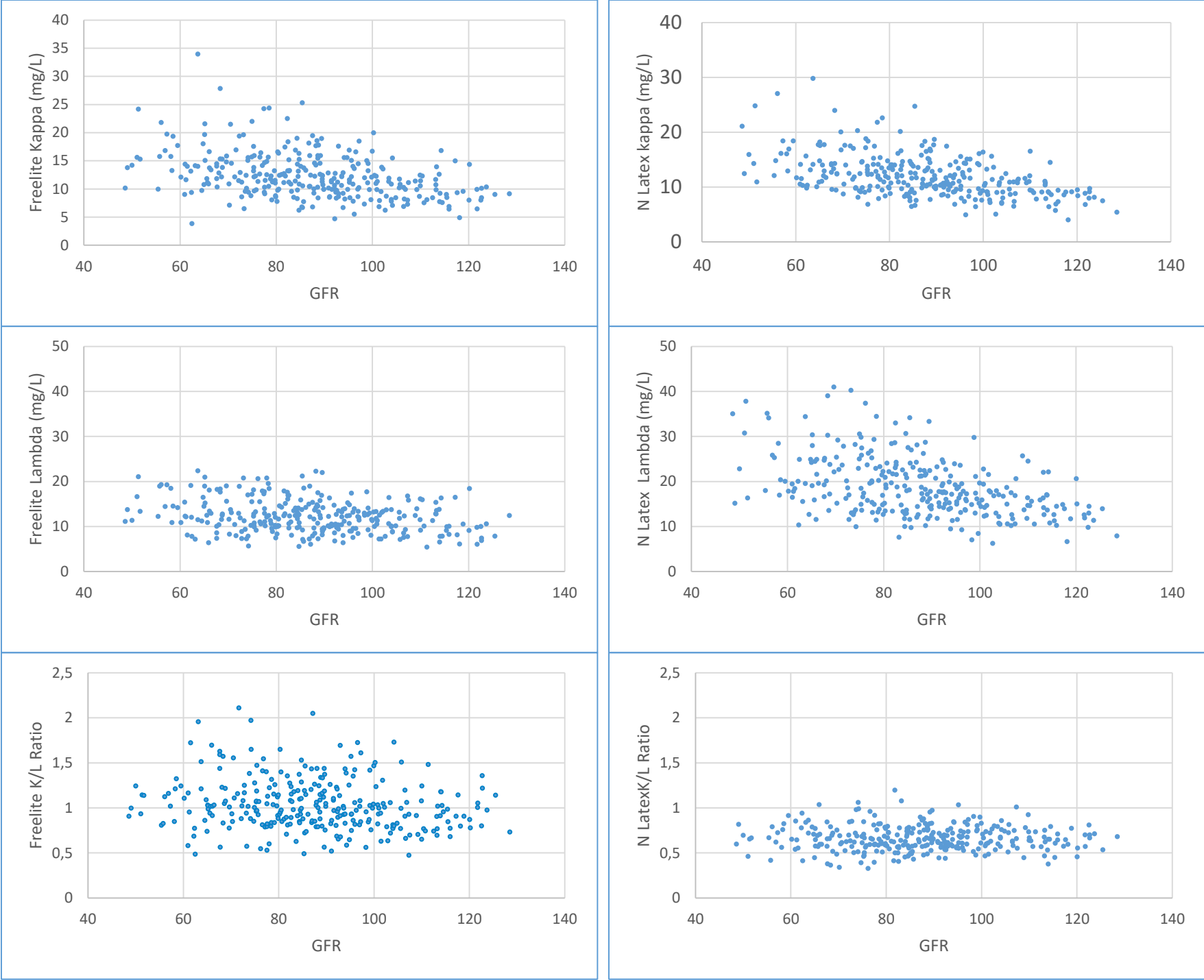


Fig. 2

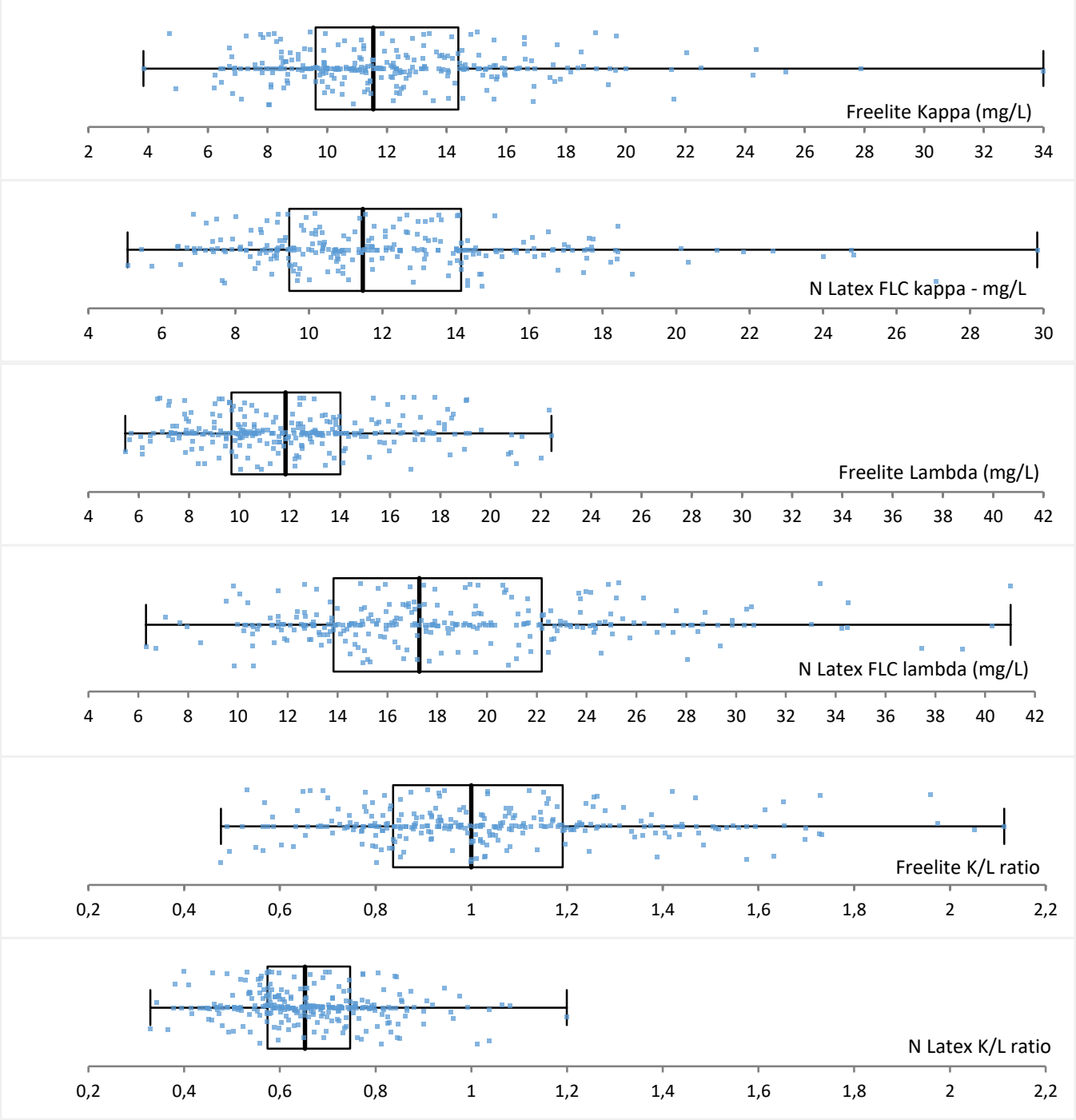


Fig. 3

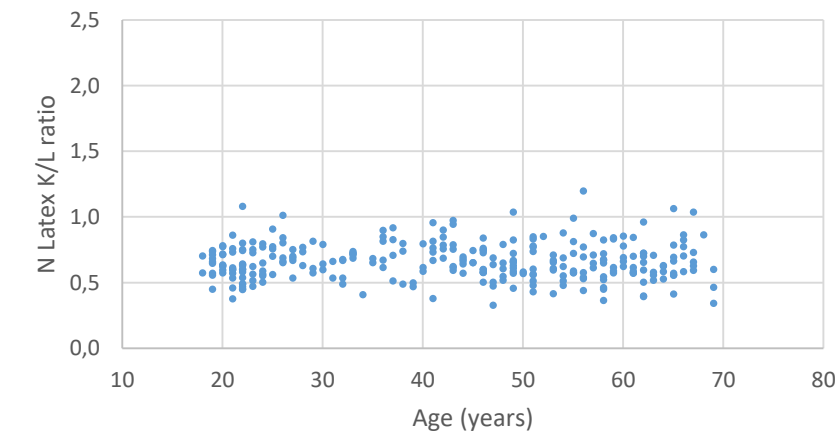
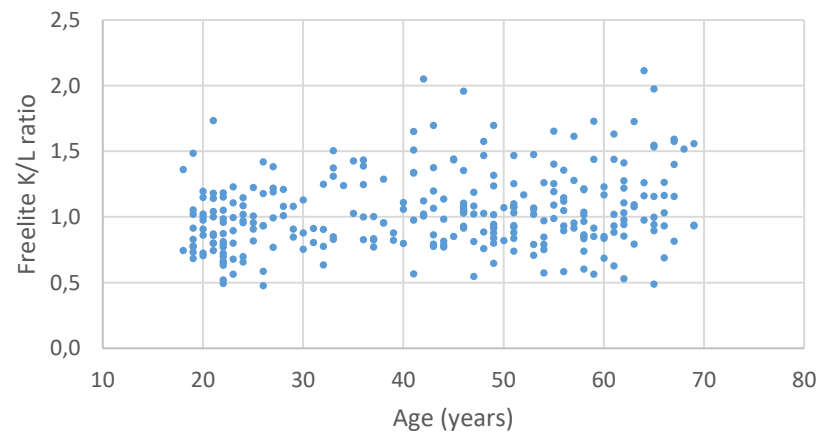
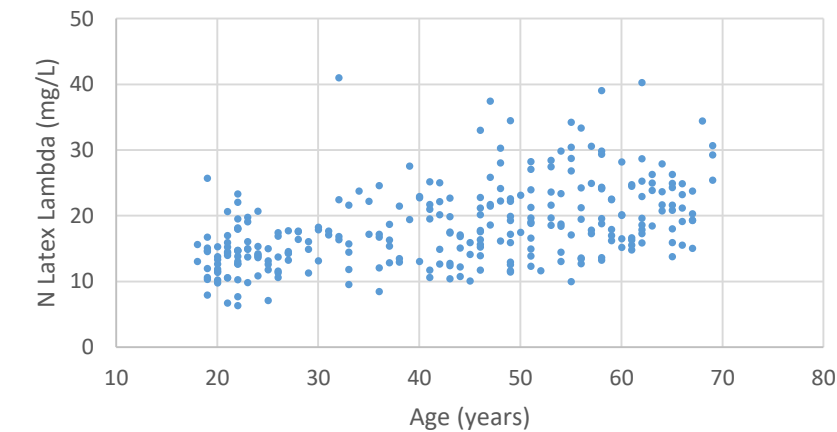
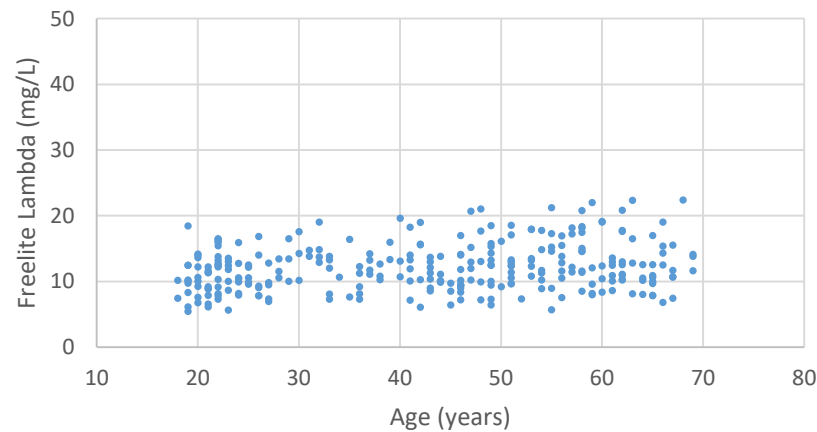
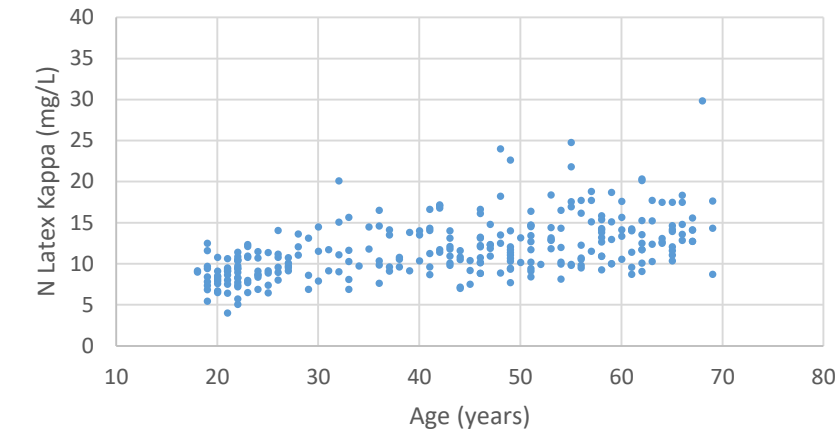
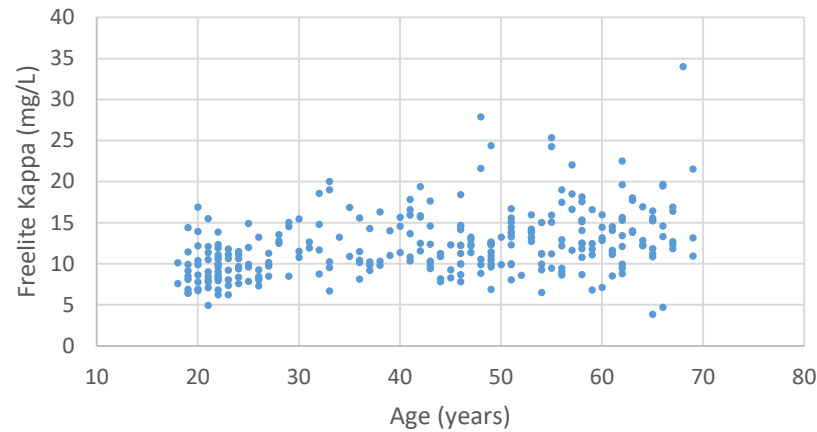


Fig. 4

