

Intensity data corresponding to protein microarray on a smartphone results in Figures 3A

sample		positive control		negative control		anti-rbST antibodies		
		average luminance intensity	standard deviation	average luminance intensity	standard deviation	average luminance intensity	normalized luminance intensity	standard deviation
untreated	1	204.67	2.31	2.33	2.52	3.17	0.00	0.01
	2	201.33	2.08	1.00	1.00	4.83	0.02	0.01
rbST-treated	3	202.33	2.08	1.00	0.00	155.17	0.77	0.09
	4	185.00	8.89	0.33	0.58	70.67	0.38	0.07

Intensity data corresponding to protein microarray on a smartphone results in Figures 4A

sample		positive control		negative control		IGF-1 (100 µg mL ⁻¹)		
		average luminance intensity	standard deviation	average luminance intensity	standard deviation	average luminance intensity	normalized luminance intensity	standard deviation
untreated	1	204.67	2.31	2.33	2.52	24.33	0.11	0.05
	2	201.33	2.08	1.00	1.00	24.00	0.12	0.02
rbST-treated	3	202.33	2.08	1.00	0.00	35.50	0.17	0.03
	4	185.00	8.89	0.33	0.58	23.83	0.13	0.04

Median fluorescence intensity data corresponding to reference method results in Figures 3B

		anti-rbST antibodies	
sample		median fluorescence intensity	standard deviation
untreated	1	490	70
	2	549	149
rbST-treated	3	21814	570
	4	7177	154

Median fluorescence intensity data corresponding to reference method results in Figures 4B

		IGF-1	
sample		median fluorescence intensity	standard deviation
untreated	1	1368	17
	2	1252	71
rbST-treated	3	1532	110
	4	1495	58