Supplementary Information for:

Droplet-based fluorescence anisotropy insulin immunoassay

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Analyzed droplet data and reproducibility are shown.

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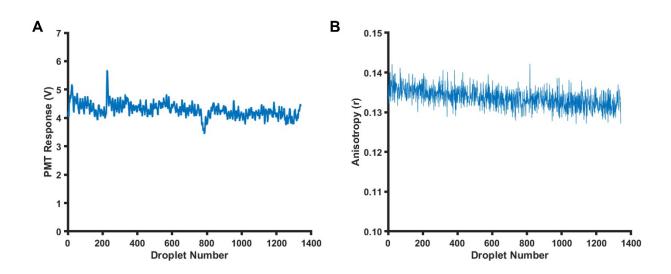


Figure S-1. Representative droplet data. The data from PMT1 in Figure 2 is shown. **A.** The data within 0.1 V of the maximum from each droplet were averaged and plotted as a function of droplet number. **B.** The average intensity per droplet from both PMTs were used to calculate the average anisotropy per droplet using equation 1.

 Table S-1. Reproducibility of responses.

[Insulin]	Avg FA	%RSD FA	Avg	%RSD
(nM)		(%)	fluorescence	fluorescence
			intensity ^a	intensity ^a
			(V)	(%)
0	0.1872	1.8	5.08	4.7
50	0.1337	1.8	4.28	5.8
100	0.1262	1.5	3.96	4.6
200	0.1211	1.6	4.83	5.0
500	0.1184	1.5	3.91	6.1

^aCalculated from PMT 1.