

Sample	Type	OD ₃₄₀ measurements			Mean	S.D.	% CV
		1	2	3			
1	C	0.524	0.237	0.418	0.393	0.145	36.9
2	C	0.599	0.368	0.743	0.570	0.189	33.2
3	C	0.199	0.223	0.181	0.201	0.021	10.5
4	C	1.076	0.588	0.663	0.776	0.263	33.9
5	C	0.292	0.334	0.281	0.302	0.028	9.3
6	DM	0.835	0.274	0.273	0.461	0.324	70.4
7	C	0.326	0.451	0.365	0.381	0.064	16.8
8	DM	0.598	0.350	0.616	0.521	0.149	28.5
9	C	0.513	0.378	0.443	0.445	0.068	15.2
10	DM	0.340	0.486	0.328	0.385	0.088	22.9
11	DM	0.325	0.574	0.267	0.389	0.163	42.0
12	DM	0.400	0.306	0.256	0.321	0.073	22.8
13	DM	0.358	0.343	0.306	0.336	0.027	8.0
14	C	0.708	0.606	0.412	0.575	0.150	26.1
15	DM	0.725	0.655	0.480	0.620	0.126	20.4
16	C	0.372	0.829	0.330	0.510	0.277	54.2
17	C	0.694	0.898	0.858	0.817	0.108	13.2
18	C	0.638	0.590	0.679	0.636	0.045	7.0
19	DM	0.761	0.923	0.719	0.801	0.108	13.4
20	DM	0.883	0.401	0.512	0.599	0.252	42.2
21	C	0.667	0.663	0.902	0.744	0.137	18.4
22	C	0.488	0.469	0.772	0.576	0.170	29.4
23	C	0.903	0.871	1.067	0.947	0.105	11.1
24	C	0.749	0.465	0.993	0.736	0.264	35.9
25	C	0.960	0.850	1.190	1.000	0.173	17.3
26	C	1.072	0.625	0.953	0.883	0.232	26.2
27	C	0.661	0.857	0.692	0.737	0.105	14.3
28	DM	0.543	0.561	1.065	0.723	0.296	41.0
29	DM	0.915	0.703	0.375	0.664	0.272	41.0
30	DM	0.637	0.371	0.352	0.453	0.159	35.1
31	DM	1.031	0.402	0.738	0.724	0.315	43.5
32	DM	0.843	0.733	0.880	0.819	0.076	9.3
33	DM	0.484	0.513	0.649	0.549	0.088	16.1
34	DM	0.592	1.245	1.114	0.984	0.345	35.1
35	DM	0.495	1.349	1.094	0.979	0.438	44.8
36	DM	0.506	1.155	1.129	0.930	0.367	39.5
37	DM	0.627	0.313	0.307	0.416	0.183	44.0
38	DM	0.998	0.512	0.449	0.653	0.300	46.0
39	DM	1.261	1.002	1.387	1.217	0.196	16.1
40	C	1.040	0.704	0.777	0.840	0.177	21.0
41	DM	0.644	0.995	0.814	0.818	0.176	21.5
42	DM	1.244	0.761	1.067	1.024	0.244	23.9
43	C	0.620	0.841	0.681	0.714	0.114	16.0
44	C	1.311	0.379	0.269	0.653	0.572	87.7
45	DM	0.558	0.382	0.380	0.440	0.102	23.2
46	C	0.298	0.617	0.250	0.388	0.199	51.4
47	DM	0.288	0.268	0.337	0.298	0.036	11.9
48	DM	1.082	0.591	1.158	0.944	0.308	32.6
49	DM	0.786	0.689	0.529	0.668	0.130	19.4

50	C	0.355	0.962	0.325	0.547	0.359	65.7
51	C	0.308	0.270	1.453	0.677	0.672	99.3
52	DM	0.527	0.215	0.233	0.325	0.175	53.9
53	DM	1.461	0.947	1.137	1.182	0.260	22.0
54	C	1.028	0.236	0.327	0.530	0.433	81.7
55	DM	0.765	0.286	0.293	0.448	0.275	61.3
56	DM	1.331	0.281	0.405	0.672	0.574	85.3
57	C	1.155	1.335	0.241	0.910	0.587	64.4
58	DM	0.702	0.824	0.269	0.598	0.292	48.7
59	DM	0.374	0.210	0.565	0.383	0.178	46.4
60	C	1.186	1.351	0.936	1.158	0.209	18.0
61	C	0.319	0.325	0.313	0.319	0.006	1.9
62	DM	0.373	0.274	0.276	0.308	0.057	18.4
63	DM	0.619	1.006	0.975	0.867	0.215	24.8
64	DM	0.692	0.367	0.627	0.562	0.172	30.6
65	DM	0.487	0.945	1.350	0.927	0.432	46.6
66	C	0.465	0.326	0.443	0.411	0.075	18.2
67	C	0.361	0.397	0.367	0.375	0.019	5.1
68	C	0.272	0.750	1.817	0.946	0.791	83.6
69	DM	0.605	0.510	1.202	0.772	0.375	48.6
70	DM	0.616	0.736	1.003	0.785	0.198	25.2
71	C	1.363	1.817	1.878	1.686	0.281	16.7
72	C	1.008	1.057	1.220	1.095	0.111	10.1
73	C	1.051	1.271	2.025	1.449	0.511	35.3
74	C	1.317	1.389	1.709	1.472	0.209	14.2
75	C	0.570	1.321	1.956	1.282	0.694	54.1
76	C	0.452	0.834	1.171	0.819	0.360	43.9
77	C	1.158	1.324	1.462	1.315	0.152	11.6

Supplementary Material 1: Optical density readings at 340 nm (OD₃₄₀) of 77 human plasma samples, analysed in triplicate using the previously-published AOPP assay protocol , with associated means, standard deviations (S.D.) and coefficients of variation (% CV = S.D./mean x 100%) of the triplicate measurements for each sample. C = plasma sample from a control (non-diabetic) subject, DM = plasma sample from a diabetic individual.

	OD	OD	OD	OD	Chl-T equivs		
	repl1	repl2	repl3	mean	(μ M)	S.D.	% CV
Assay 1	0.537	0.360	0.512	0.470	256	0.096	20.4
Assay 2	0.483	0.456	0.459	0.466	253	0.015	3.1
Assay 3	0.405	1.329	1.323	1.019	651	0.532	52.2
Assay 4	0.406	0.725	0.705	0.612	358	0.178	29.2
Assay 5	0.486	0.501	1.829	0.939	593	0.771	82.1

Supplementary Material 2: Results from triplicate determinations of one plasma sample performed in 5 runs of the AOPP assay. The mean chloramine-T equivalent value of these five measurements was 422 μ M with a % CV of 44.6.

OD = optical density at 340 nm; Chl-T equivs = chloramine T equivalents; "repl 1" = replicate 1; mean = mean OD of triplicate measurements; S.D. = standard deviation of triplicate measurements; % CV = % CV of triplicate measurements.