

Appendix 1. Experimental designed studies and the optical density of isolated ulcered bacteria.

Std	Run	A:Age Year	B:Extract content mg/mL	C:Gender	D:Health Level	OD content (a.u.)
33	1	40	25	Female	Healthy	0.00
83	2	40	25	Female	Diabetes	1.18
156	3	65	5	Male	Ulcer stage 2	4.32
27	4	40	5	Female	Healthy	0.00
45	5	50	30	Female	Healthy	0.03
96	6	50	15	Female	Diabetes	1.18
21	7	50	15	Male	Healthy	0.04
10	8	65	25	Male	Healthy	0.05
60	9	65	25	Male	Diabetes	1.18
141	10	70	15	Female	Ulcer stage 1	2.14
14	11	30	15	Male	Healthy	0.07
101	12	40	5	Male	Ulcer stage 1	2.16
138	13	30	15	Female	Ulcer stage 1	2.18
41	14	70	15	Female	Healthy	0.08
176	15	40	5	Female	Ulcer stage 2	4.45
93	16	50	1	Female	Diabetes	1.20
35	17	65	25	Female	Healthy	0.09
175	18	50	15	Male	Ulcer stage 2	4.46
55	19	65	5	Male	Diabetes	1.20
192	20	50	1	Female	Ulcer stage 2	4.46
102	21	40	5	Male	Ulcer stage 1	2.20
145	22	50	30	Female	Ulcer stage 1	2.21
193	23	50	1	Female	Ulcer stage 2	4.46
158	24	40	25	Male	Ulcer stage 2	4.52
46	25	50	15	Female	Healthy	0.12
32	26	40	25	Female	Healthy	0.18
1	27	40	5	Male	Healthy	0.21
26	28	40	5	Female	Healthy	0.24
79	29	65	5	Female	Diabetes	1.21
159	30	40	25	Male	Ulcer stage 2	4.62
4	31	65	5	Male	Healthy	0.34
99	32	50	15	Female	Diabetes	1.23
62	33	65	25	Male	Diabetes	1.24
134	34	40	25	Female	Ulcer stage 1	2.26
117	35	50	1	Male	Ulcer stage 1	2.28
189	36	30	15	Female	Ulcer stage 2	4.90
68	37	50	1	Male	Diabetes	1.25
113	38	30	15	Male	Ulcer stage 1	2.29

109	39	40	25	Male	Ulcer stage 1	2.33
89	40	30	15	Female	Diabetes	1.26
39	41	30	15	Female	Healthy	0.41
31	42	65	5	Female	Healthy	0.51
58	43	40	25	Male	Diabetes	1.27
69	44	50	30	Male	Diabetes	1.27
28	45	40	5	Female	Healthy	0.52
111	46	65	25	Male	Ulcer stage 1	2.35
22	47	50	15	Male	Healthy	0.53
91	48	70	15	Female	Diabetes	1.29
44	49	50	30	Female	Healthy	0.54
11	50	65	25	Male	Healthy	0.55
198	51	50	15	Female	Ulcer stage 2	4.97
61	52	65	25	Male	Diabetes	1.30
5	53	65	5	Male	Healthy	0.56
17	54	50	1	Male	Healthy	0.59
182	55	40	25	Female	Ulcer stage 2	5.02
106	56	65	5	Male	Ulcer stage 1	2.35
7	57	40	25	Male	Healthy	0.60
160	58	65	25	Male	Ulcer stage 2	5.07
178	59	40	5	Female	Ulcer stage 2	5.18
15	60	70	15	Male	Healthy	0.62
76	61	40	5	Female	Diabetes	1.32
179	62	65	5	Female	Ulcer stage 2	5.20
168	63	50	1	Male	Ulcer stage 2	5.24
177	64	40	5	Female	Ulcer stage 2	5.84
36	65	65	25	Female	Healthy	0.63
191	66	70	15	Female	Ulcer stage 2	6.05
133	67	40	25	Female	Ulcer stage 1	2.36
129	68	65	5	Female	Ulcer stage 1	2.39
157	69	40	25	Male	Ulcer stage 2	6.40
130	70	65	5	Female	Ulcer stage 1	2.41
73	71	50	15	Male	Diabetes	1.34
71	72	50	15	Male	Diabetes	1.34
172	73	50	15	Male	Ulcer stage 2	6.41
184	74	40	25	Female	Ulcer stage 2	6.46
103	75	40	5	Male	Ulcer stage 1	2.44
97	76	50	15	Female	Diabetes	1.34
183	77	40	25	Female	Ulcer stage 2	6.46
154	78	65	5	Male	Ulcer stage 2	6.53
115	79	70	15	Male	Ulcer stage 1	2.48
56	80	65	5	Male	Diabetes	1.34
38	81	30	15	Female	Healthy	0.65
82	82	40	25	Female	Diabetes	1.35

84	83	40	25	Female	Diabetes	1.37
64	84	30	15	Male	Diabetes	1.42
163	85	30	15	Male	Ulcer stage 2	7.03
94	86	50	30	Female	Diabetes	1.42
29	87	65	5	Female	Healthy	0.66
139	88	30	15	Female	Ulcer stage 1	2.59
125	89	50	15	Male	Ulcer stage 1	2.63
116	90	70	15	Male	Ulcer stage 1	2.66
187	91	65	25	Female	Ulcer stage 2	7.11
13	92	30	15	Male	Healthy	0.66
72	93	50	15	Male	Diabetes	1.43
8	94	40	25	Male	Healthy	0.70
81	95	65	5	Female	Diabetes	1.43
185	96	65	25	Female	Ulcer stage 2	7.19
146	97	50	15	Female	Ulcer stage 1	2.69
135	98	65	25	Female	Ulcer stage 1	2.76
19	99	50	30	Male	Healthy	0.70
90	100	70	15	Female	Diabetes	1.46
148	101	50	15	Female	Ulcer stage 1	2.79
162	102	65	25	Male	Ulcer stage 2	7.20
95	103	50	30	Female	Diabetes	1.49
88	104	30	15	Female	Diabetes	1.51
153	105	40	5	Male	Ulcer stage 2	7.26
78	106	40	5	Female	Diabetes	1.55
53	107	40	5	Male	Diabetes	1.62
75	108	50	15	Male	Diabetes	1.65
127	109	40	5	Female	Ulcer stage 1	2.80
34	110	40	25	Female	Healthy	0.74
124	111	50	15	Male	Ulcer stage 1	2.81
9	112	40	25	Male	Healthy	0.80
147	113	50	15	Female	Ulcer stage 1	2.82
100	114	50	15	Female	Diabetes	1.66
43	115	50	1	Female	Healthy	0.81
152	116	40	5	Male	Ulcer stage 2	7.28
199	117	50	15	Female	Ulcer stage 2	7.30
24	118	50	15	Male	Healthy	0.82
37	119	65	25	Female	Healthy	0.84
105	120	65	5	Male	Ulcer stage 1	2.86
123	121	50	15	Male	Ulcer stage 1	2.90
77	122	40	5	Female	Diabetes	1.67
114	123	30	15	Male	Ulcer stage 1	2.99
25	124	50	15	Male	Healthy	0.85
107	125	40	25	Male	Ulcer stage 1	3.00
47	126	50	15	Female	Healthy	0.88

70	127	50	30	Male	Diabetes	1.68
197	128	50	15	Female	Ulcer stage 2	7.45
104	129	65	5	Male	Ulcer stage 1	3.09
122	130	50	15	Male	Ulcer stage 1	3.10
16	131	70	15	Male	Healthy	0.92
87	132	65	25	Female	Diabetes	1.73
194	133	50	30	Female	Ulcer stage 2	8.02
63	134	30	15	Male	Diabetes	1.74
142	135	50	1	Female	Ulcer stage 1	3.22
108	136	40	25	Male	Ulcer stage 1	3.32
2	137	40	5	Male	Healthy	0.96
30	138	65	5	Female	Healthy	1.01
18	139	50	1	Male	Healthy	1.02
196	140	50	15	Female	Ulcer stage 2	8.24
170	141	50	30	Male	Ulcer stage 2	8.83
155	142	65	5	Male	Ulcer stage 2	8.99
167	143	50	1	Male	Ulcer stage 2	9.16
200	144	50	15	Female	Ulcer stage 2	9.41
23	145	50	15	Male	Healthy	1.02
20	146	50	30	Male	Healthy	1.02
164	147	30	15	Male	Ulcer stage 2	9.60
136	148	65	25	Female	Ulcer stage 1	3.34
66	149	70	15	Male	Diabetes	1.74
140	150	70	15	Female	Ulcer stage 1	3.34
86	151	65	25	Female	Diabetes	1.80
171	152	50	15	Male	Ulcer stage 2	9.64
98	153	50	15	Female	Diabetes	1.83
12	154	65	25	Male	Healthy	1.04
195	155	50	30	Female	Ulcer stage 2	9.82
48	156	50	15	Female	Healthy	1.04
180	157	65	5	Female	Ulcer stage 2	9.89
173	158	50	15	Male	Ulcer stage 2	10.10
165	159	70	15	Male	Ulcer stage 2	10.10
42	160	50	1	Female	Healthy	1.05
137	161	65	25	Female	Ulcer stage 1	3.37
132	162	40	25	Female	Ulcer stage 1	3.43
188	163	30	15	Female	Ulcer stage 2	10.21
51	164	40	5	Male	Diabetes	1.84
67	165	50	1	Male	Diabetes	1.88
118	166	50	1	Male	Ulcer stage 1	3.53
150	167	50	15	Female	Ulcer stage 1	3.66
52	168	40	5	Male	Diabetes	1.89
151	169	40	5	Male	Ulcer stage 2	10.26
149	170	50	15	Female	Ulcer stage 1	3.80

54	171	65	5	Male	Diabetes	1.93
119	172	50	30	Male	Ulcer stage 1	3.81
181	173	65	5	Female	Ulcer stage 2	10.36
186	174	65	25	Female	Ulcer stage 2	10.36
6	175	65	5	Male	Healthy	1.06
59	176	40	25	Male	Diabetes	1.96
80	177	65	5	Female	Diabetes	1.96
40	178	70	15	Female	Healthy	1.08
121	179	50	15	Male	Ulcer stage 1	3.82
190	180	70	15	Female	Ulcer stage 2	10.38
85	181	65	25	Female	Diabetes	1.98
161	182	65	25	Male	Ulcer stage 2	11.07
166	183	70	15	Male	Ulcer stage 2	11.65
74	184	50	15	Male	Diabetes	2.02
169	185	50	30	Male	Ulcer stage 2	11.42
49	186	50	15	Female	Healthy	1.15
174	187	50	15	Male	Ulcer stage 2	9.27
112	188	65	25	Male	Ulcer stage 1	3.87
128	189	40	5	Female	Ulcer stage 1	3.94
92	190	50	1	Female	Diabetes	2.02
110	191	65	25	Male	Ulcer stage 1	4.01
57	192	40	25	Male	Diabetes	2.09
144	193	50	30	Female	Ulcer stage 1	4.03
131	194	65	5	Female	Ulcer stage 1	4.04
143	195	50	1	Female	Ulcer stage 1	4.07
50	196	50	15	Female	Healthy	1.15
126	197	40	5	Female	Ulcer stage 1	4.11
120	198	50	30	Male	Ulcer stage 1	4.24
3	199	40	5	Male	Healthy	1.15
65	200	70	15	Male	Diabetes	2.12