

Appendix. Annual climatic factors and detection rates

Year	Month	Temperature	Humidity	Detection rate		Year	Month	Temperature	Humidity	Detection rate	
				Bacteria	Virus					Bacteria	Virus
2008	1	1.5	55.2	9.9	35.2	2013	1	-0.1	51.5	15.5	38.0
Pearson's r	2	1.5	37.6	5.4	20.1	Pearson's r	2	2.6	43.2	18.1	44.6
A: 0.54	3	9.1	51.3	0.0	13.7	A: 0.72	3	9.8	40.8	15.9	34.2
B: 0.37	4	14.8	53.1	0.7	21.1	B: 0.79	4	12.3	47.3	11.5	32.7
C: -0.78	5	19.7	53.1	2.3	11.4	C: -0.71	5	20.3	52.8	19.2	35.9
D: -0.63	6	21.1	68.9	0.0	4.6	D: -0.76	6	24.3	66.0	29.5	26.9
	7	28.4	68.7	1.0	6.9		7	28.7	66.7	23.7	6.2
	8	25.8	68.9	0.6	3.1		8	29.0	68.6	29.2	21.4
	9	23.0	66.0	0.9	4.4		9	23.0	67.1	36.3	5.9
	10	17.8	58.0	1.1	14.3		10	17.2	64.1	32.5	3.8
	11	9.5	55.9	0.6	10.6		11	8.9	54.6	15.0	25.0
	12	3.3	49.6	0.3	16.6		12	3.5	50.5	6.3	53.1
2009	1	0.7	44.1	0.0	21.9	2014	1	0.0	47.5	3.0	17.2
Pearson's r	2	6.4	50.3	0.4	18.9	Pearson's r	2	3.9	53.4	0.0	18.6
A: 0.67	3	9.0	44.0	0.0	17.1	A: 0.68	3	6.9	55.4	0.8	10.5
B: 0.64	4	15.4	42.5	0.9	14.0	B: 0.58	4	11.5	49.0	0.0	7.9
C: -0.91	5	20.9	47.7	1.9	5.6	C: -0.74	5	19.4	52.3	3.5	9.7
D: -0.74	6	24.0	56.5	1.3	5.4	D: -0.92	6	24.8	53.6	3.5	2.7
	7	24.8	71.9	2.8	4.2		7	26.7	69.5	5.7	2.8
	8	25.5	66.2	2.7	1.8		8	28.7	69.4	3.2	2.0
	9	22.6	63.7	0.6	1.9		9	23.3	66.6	4.8	5.3
	10	17.2	53.9	2.8	2.1		10	16.4	61.0	3.5	4.0
	11	9.1	55.8	2.3	10.8		11	8.6	46.4	1.0	7.7
	12	2.5	47.8	0.0	16.7		12	2.0	49.9	0.6	8.2
2010	1	0.0	47.5	3.0	17.2	2015	1	-2.5	39.6	1.6	14.9
Pearson's r	2	3.9	53.4	0.0	18.6	Pearson's r	2	4.2	52.3	0.0	11.2
A: 0.74	3	6.9	55.4	0.8	10.5	A: 0.63	3	7.0	34.9	1.4	14.2
B: 0.69	4	11.5	49.0	0.0	7.9	B: 0.67	4	13.7	45.7	0.7	18.7
C: -0.81	5	19.4	52.3	3.5	9.7	C: -0.86	5	18.8	56.4	1.8	7.1
D: -0.60	6	24.8	53.6	3.5	2.7	D: -0.37	6	24.3	60.4	2.1	3.5
	7	26.7	69.5	5.7	2.8		7	26.8	71.2	4.5	1.5
	8	28.7	69.4	3.2	2.0		8	26.2	74.7	0.6	5.7
	9	23.3	66.6	4.8	5.3		9	23.0	62.4	2.2	2.2
	10	16.4	61.0	3.5	4.0		10	15.7	58.3	6.2	3.9
	11	8.6	46.4	1.0	7.7		11	11.9	63.3	1.4	7.8
	12	2.0	49.9	0.6	8.2		12	2.3	46.1	1.7	26.9
2011	1	-2.5	39.6	1.6	14.9	2016	1	0.8	46.5	7.1	20.5
Pearson's r	2	4.2	52.3	0.0	11.2	Pearson's r	2	1.1	43.8	3.5	22.4
A: 0.31	3	7.0	34.9	1.4	14.2	A: 0.24	3	7.7	50.3	8.5	11.7
B: 0.27	4	13.7	45.7	0.7	18.7	B: 0.60	4	15.1	46.9	12.5	22.7
C: -0.76	5	18.8	56.4	1.8	7.1	C: -0.56	5	20.1	53.4	25.7	18.1
D: -0.73	6	24.3	60.4	2.1	3.5	D: -0.46	6	23.2	63.8	22.1	17.9
	7	26.8	71.2	4.5	1.5		7	27.5	69.5	34.2	3.6
	8	26.2	74.7	0.6	5.7		8	27.9	70.7	23.8	12.5
	9	23.0	62.4	2.2	2.2		9	21.7	68.5	28.2	6.4
	10	15.7	58.3	6.2	3.9		10	15.8	57.2	29.0	17.2
	11	11.9	63.3	1.4	7.8		11	8.2	50.4	11.3	52.8
	12	2.3	46.1	1.7	26.9		12	-0.3	54.5	8.7	54.4
2012	1	0.8	46.5	7.1	20.5	2017	1	-0.1	51.5	15.5	38.0
Pearson's r	2	1.1	43.8	3.5	22.4	Pearson's r	2	2.6	43.2	18.1	44.6
A: 0.88	3	7.7	50.3	8.5	11.7	A: 0.55	3	9.8	40.8	15.9	34.2
B: 0.82	4	15.1	46.9	12.5	22.7	B: 0.75	4	12.3	47.3	11.5	32.7
C: -0.62	5	20.1	53.4	25.7	18.1	C: -0.48	5	20.3	52.8	19.2	35.9
D: -0.46	6	23.2	63.8	22.1	17.9	D: -0.77	6	24.3	66.0	29.5	26.9
	7	27.5	69.5	34.2	3.6		7	28.7	66.7	23.7	6.2
	8	27.9	70.7	23.8	12.5		8	29.0	68.6	29.2	21.4
	9	21.7	68.5	28.2	6.4		9	23.0	67.1	36.3	5.9
	10	15.8	57.2	29.0	17.2		10	17.2	64.1	32.5	3.8
	11	8.2	50.4	11.3	52.8		11	8.9	54.6	15.0	25.0
	12	-0.3	54.5	8.7	54.4		12	3.5	50.5	6.3	53.1