

Supplementary Materials:

Małgorzata Basińska*, Michał Michałkiewicz and Katarzyna Ratajczak

Table S1. Number of microorganisms (CFU/m³) in the classroom 04 in the morning (M) and after lessons (Al)

Collection microorganisms	time	and Without purifier		With a purifier								
		11	15	18	20	22	29	6	20	3	10	17
		April	April	April	April	April	April	May	May	June	June	June
<i>Staphylococcus</i> M+	M	0	ns	0	ns	10	10	0	0	0	10	20
	Al	10	50	80	110	30	60	130	0	10	10	10
<i>Staphylococcus</i> M-	M	0	ns	0	ns	30	10	0	10	70	10	40
	Al	1680	760	2720	300	160	1020	1120	50	100	10	20
Mesophilic bacteria	M	20	ns	60	ns	80	190	220	40	120	60	160
	Al	2560	1180	4400	1760	1220	1800	3220	180	180	200	1200
Psychrophilic bacteria	M	60	ns	10	ns	120	130	100	140	1040	1000	340
	Al	3080	940	4800	1360	680	1900	3500	440	3080	2240	1780
<i>Pseudomonas fluorescens</i>	M	0	ns	0	ns	0	0	0	0	0	0	10
	Al	10	0	0	0	0	0	0	0	0	0	0
<i>Actinobacteria</i>	M	0	ns	0	ns	0	0	0	0	0	0	0
	Al	10	10	20	40	0	0	0	0	10	0	0
Fungi – Waksman	M	140	ns	110	ns	100	30	80	240	470	980	660
	Al	400	560	580	190	80	180	740	580	3600	2380	1340
Fungi – Czapek-Doxa	M	40	ns	60	ns	40	30	40	140	510	680	640
	Al	200	240	400	160	80	80	400	560	4280	1780	980

ns – not studied

Table S2. Number of microorganisms (CFU/m³) in the classroom 105 in the morning (M) and after lessons (Al)

Collection microorganisms	time	and Without purifier		With a purifier								
		11	15	18	20	22	29	6	20	3	10	17
		April	April	April	April	April	April	May	May	June	June	June
<i>Staphylococcus</i> M+	M	0	ns	0	ns	0	0	0	10	10	20	0
	Al	20	40	70	50	10	20	30	10	20	20	10
<i>Staphylococcus</i> M-	M	20	ns	10	ns	30	10	0	10	30	20	30
	Al	2060	370	880	1320	160	490	140	350	40	30	40
Mesophilic bacteria	M	60	ns	10	ns	50	160	60	60	250	120	40
	Al	2620	360	3680	1700	1760	1140	680	520	100	320	120
Psychrophilic bacteria	M	80	ns	10	ns	80	90	80	60	1180	820	140
	Al	2660	620	3320	3320	1740	1320	1020	660	4140	2620	1460
<i>Pseudomonas fluorescens</i>	M	0	ns	0	ns	0	0	0	0	0	0	20
	Al	0	0	0	0	0	0	0	0	0	0	10
<i>Actinobacteria</i>	M	0	ns	0	ns	0	0	0	0	0	0	0

	Al	90	30	10	10	10	0	0	0	40	0	0
Fungi – Waksman	M	160	ns	90	ns	60	40	100	160	580	580	340
	Al	460	500	540	200	40	40	280	980	4220	3700	1740
Fungi – Czapek-Doxa	M	10	ns	20	ns	60	20	100	80	700	600	380
	Al	180	260	220	240	60	20	320	740	3760	2440	1480

ns – not studied

Table S3. Number of microorganisms (CFU/m³) in the external environment (research background) in the morning (M) and after lessons (Al)

Collection microorganisms	time	and Without purifier		With a purifier								
		11	15	18	20	22	29	6	20	3	10	17
		April	April	April	April	April	April	May	May	June	June	June
<i>Staphylococcus</i> M+	M	30	ns	40	ns	0	10	10	40	10	30	0
	Al	10	70	20	20	10	10	0	50	0	10	10
<i>Staphylococcus</i> M-	M	0	ns	40	ns	0	20	0	70	20	20	0
	Al	10	60	20	10	10	10	20	20	10	10	10
Mesophilic bacteria	M	60	ns	400	ns	80	100	180	360	150	100	380
	Al	60	60	40	160	80	60	100	400	80	360	40
Psychrophilic bacteria	M	180	ns	2520	ns	380	760	440	2620	3190	18,680	980
	Al	280	240	2240	600	480	360	320	1680	4960	1940	2480
<i>Pseudomonas fluorescens</i>	M	0	ns	0	ns	0	0	0	0	0	0	0
	Al	10	0	0	10	0	0	0	0	0	0	0
<i>Actinobacteria</i>	M	70	ns	100	ns	40	30	10	20	230	230	0
	Al	110	280	130	80	30	10	0	10	510	10	0
Fungi – Waksman	M	560	ns	1440	ns	300	560	660	1840	3300	12,920	1020
	Al	600	960	400	320	240	180	520	2160	6420	4780	1040
Fungi – Czapek-Doxa	M	360	ns	540	ns	120	360	540	1740	2790	12,080	1340
	Al	350	680	280	320	220	160	240	3280	4660	3940	1020

ns – not studied