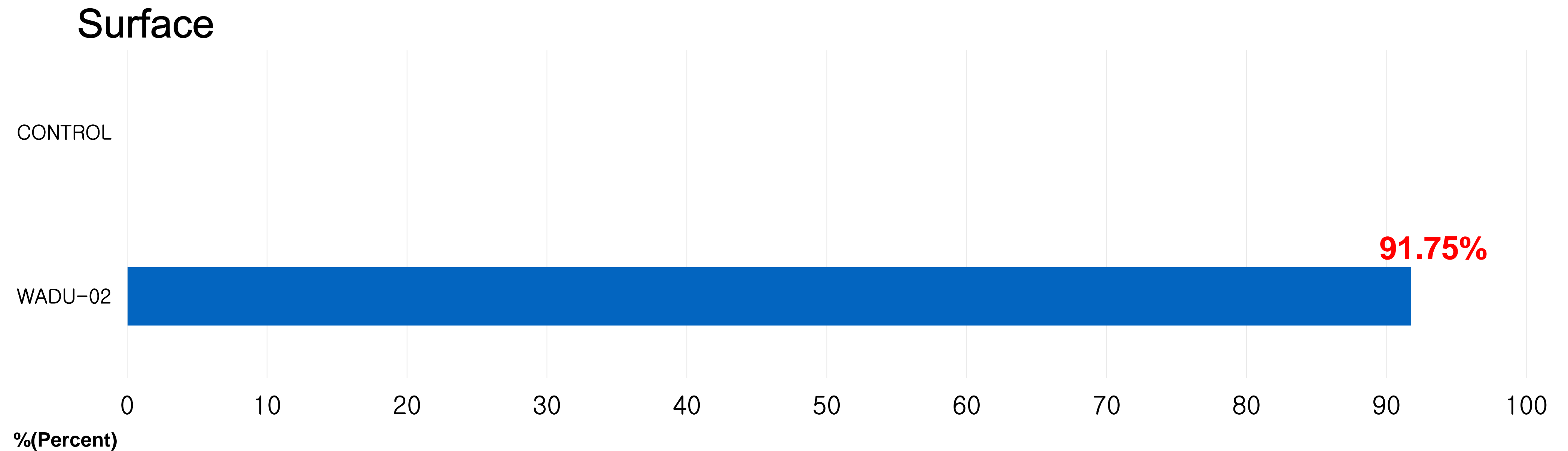


# **Wellis WADU-02 Microbial Test Results**

- **Pathogens Test (Laboratory)**
- **Pathogens Test (Field)**

# Pathogens Test

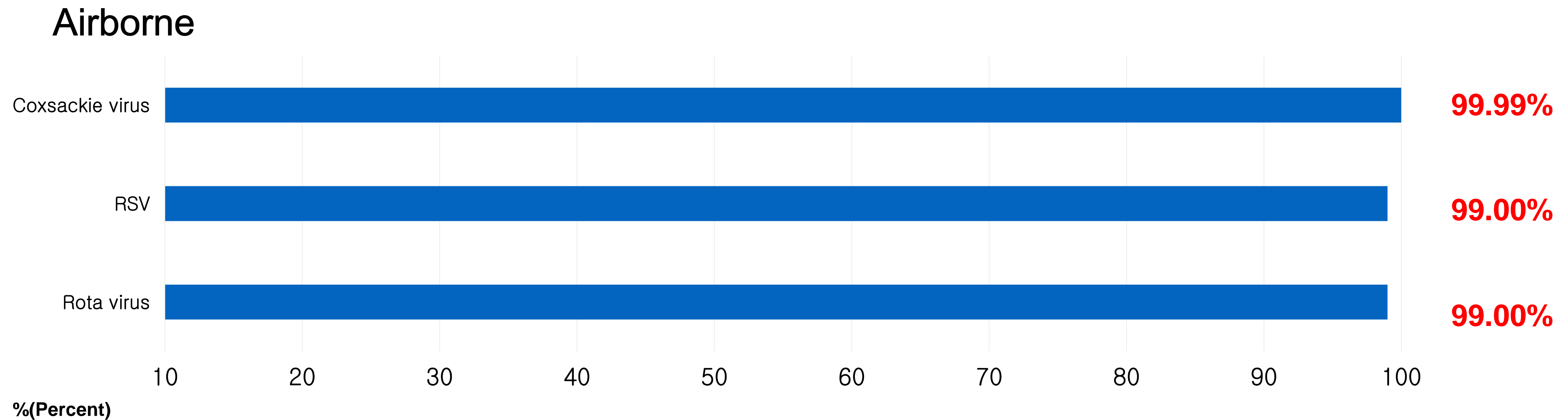
## 1. COVID-19 (SARS-CoV-2) by MRI Global, USA (Apr. 20, 2021)



\* Experiment condition : Contaminated Surface – Stainless Steel in 0.37m<sup>3</sup> Chamber for 2 Hours

# Pathogens Test

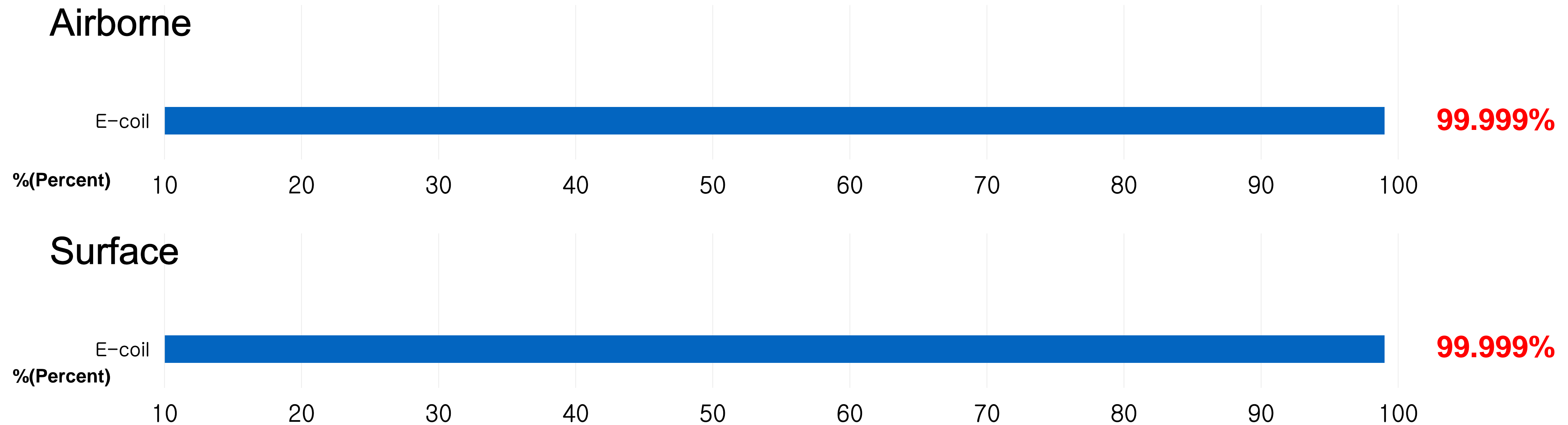
## 2. Virus Test by University of Barcelona, Spain (Dec 12, 2019)



\* Experiment condition : 0.064m<sup>3</sup> Chamber for 2 Hours

# Pathogens Test

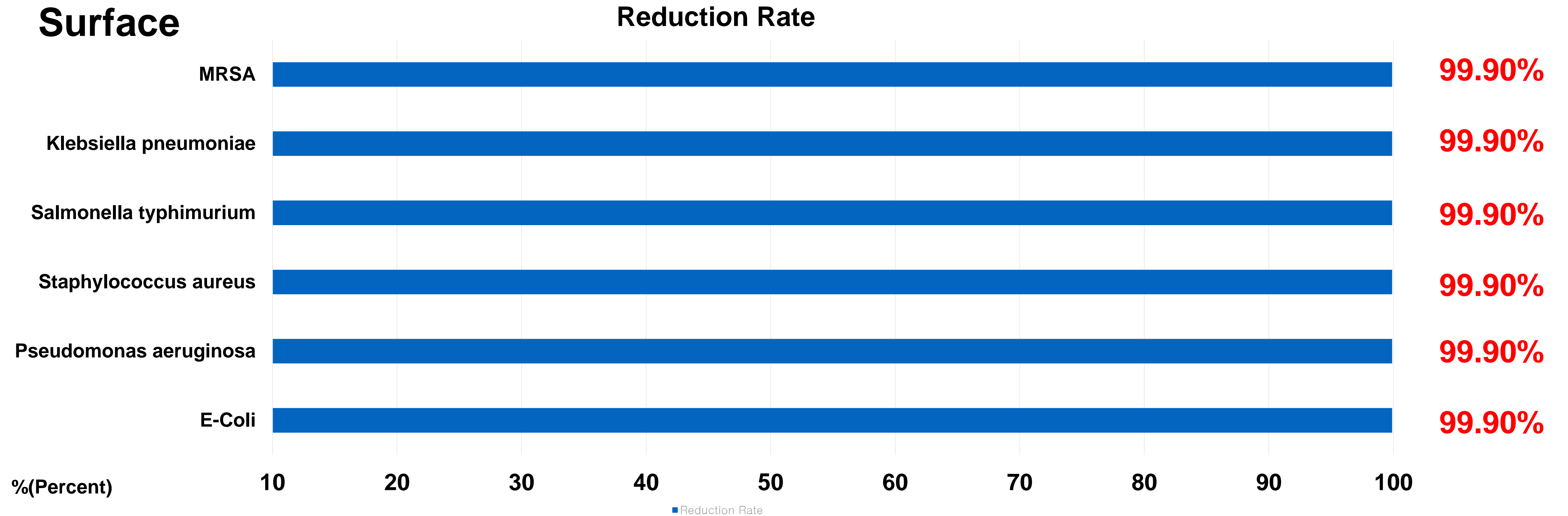
## 3. Bacteria Test by UPC, Spain (Mar 12, 2020)



\* Experiment condition : 1m<sup>3</sup> Chamber for 2 Hours

# Pathogens Test

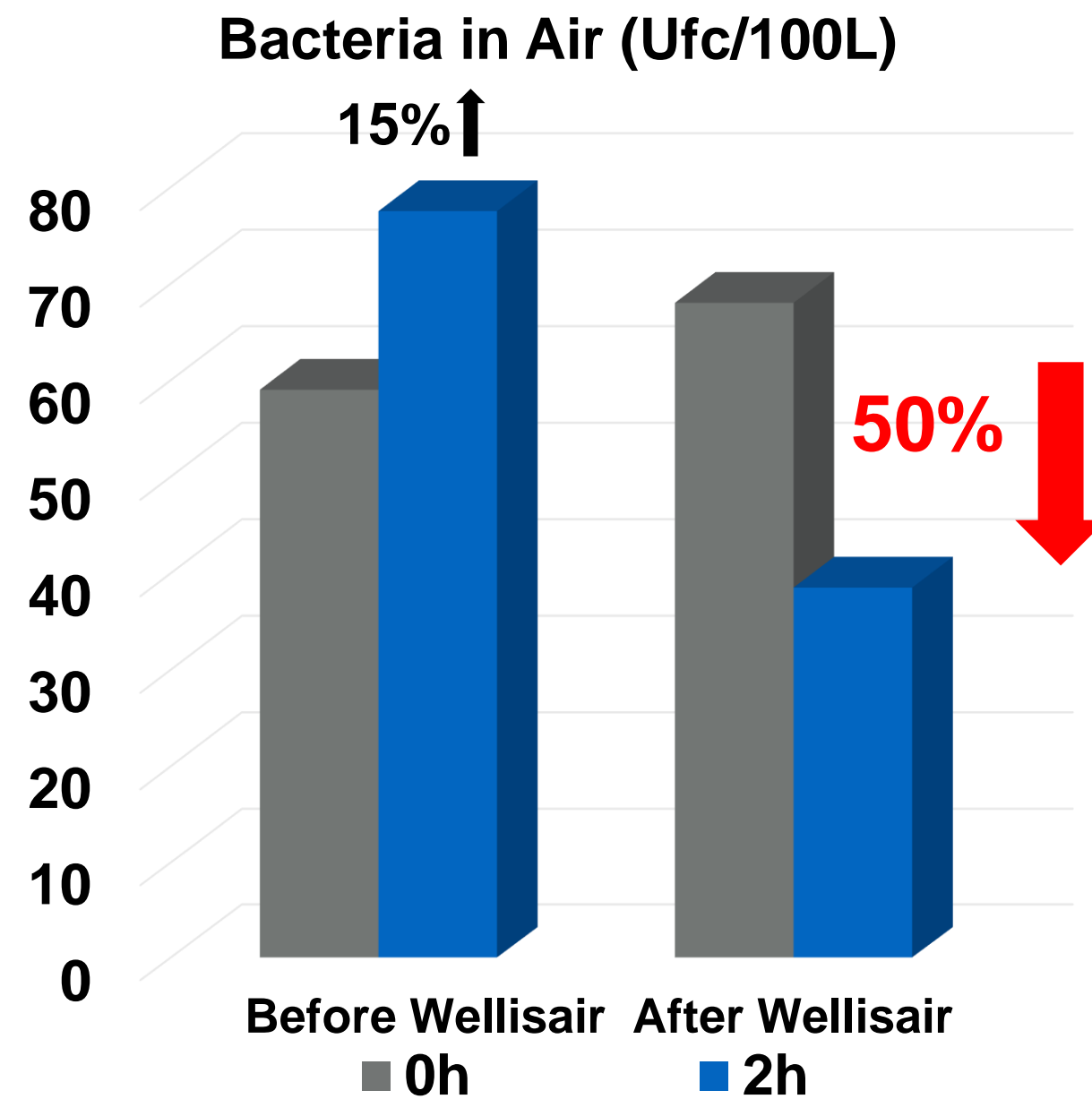
## 4. Bacteria Test by KCL, Korea (Mar 24, 2016)



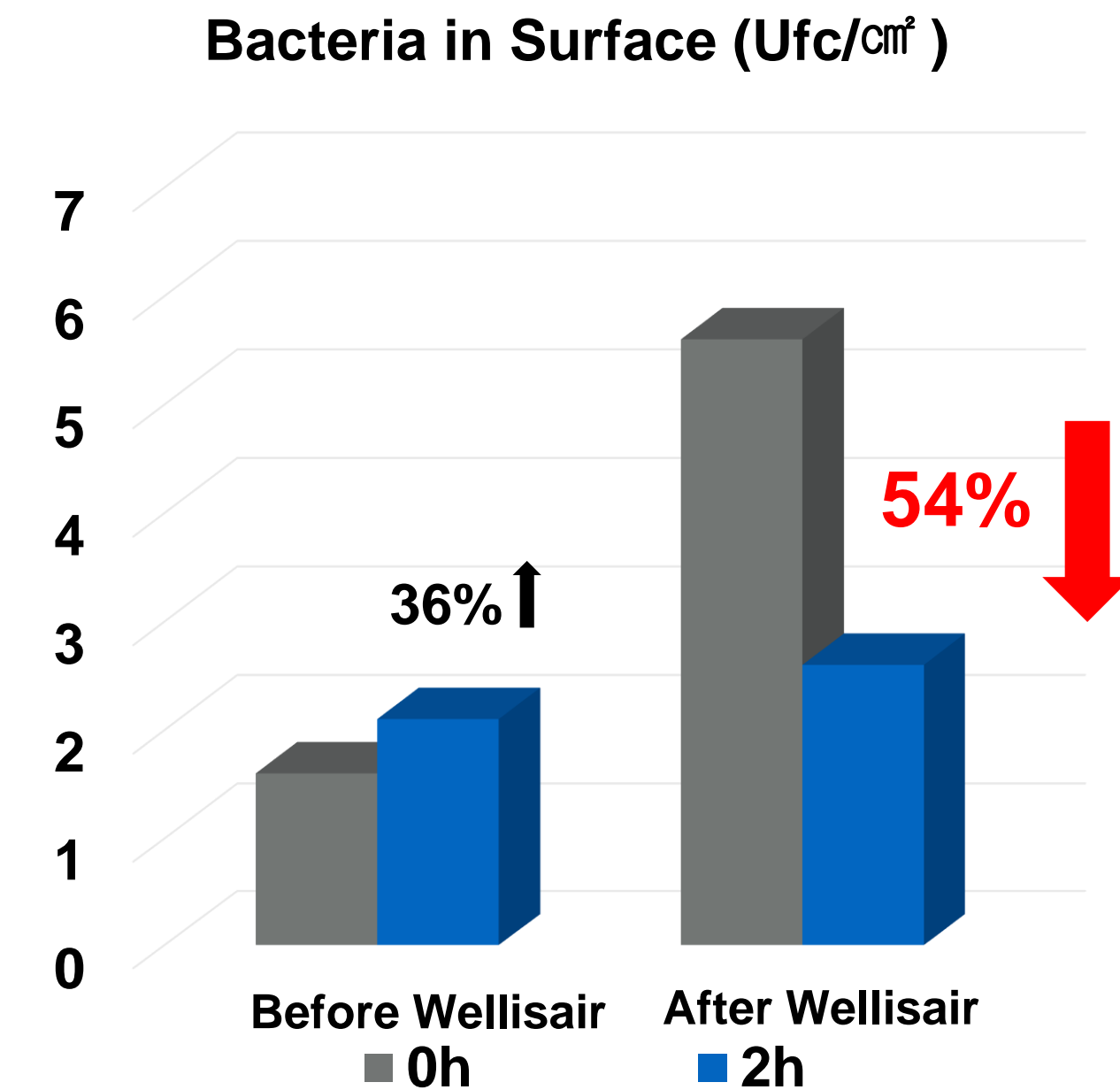
\* Experiment condition : 8m<sup>3</sup> Chamber for 4 Hours

# Pathogens Test (Field)

## 1. IES Castellar High School, Spain (Sep. 11, 2020)



	BEFORE WELLISAIR	WITH WELLISAIR
0H	59	77.5
2H	68	38.5
VARIATION RATE	+15%	-50%



	BEFORE WELLISAIR	BEFORE WELLISAIR
0H	1.6	5.6
2H	2.1	2.6
VARIATION RATE	+36%	-54%

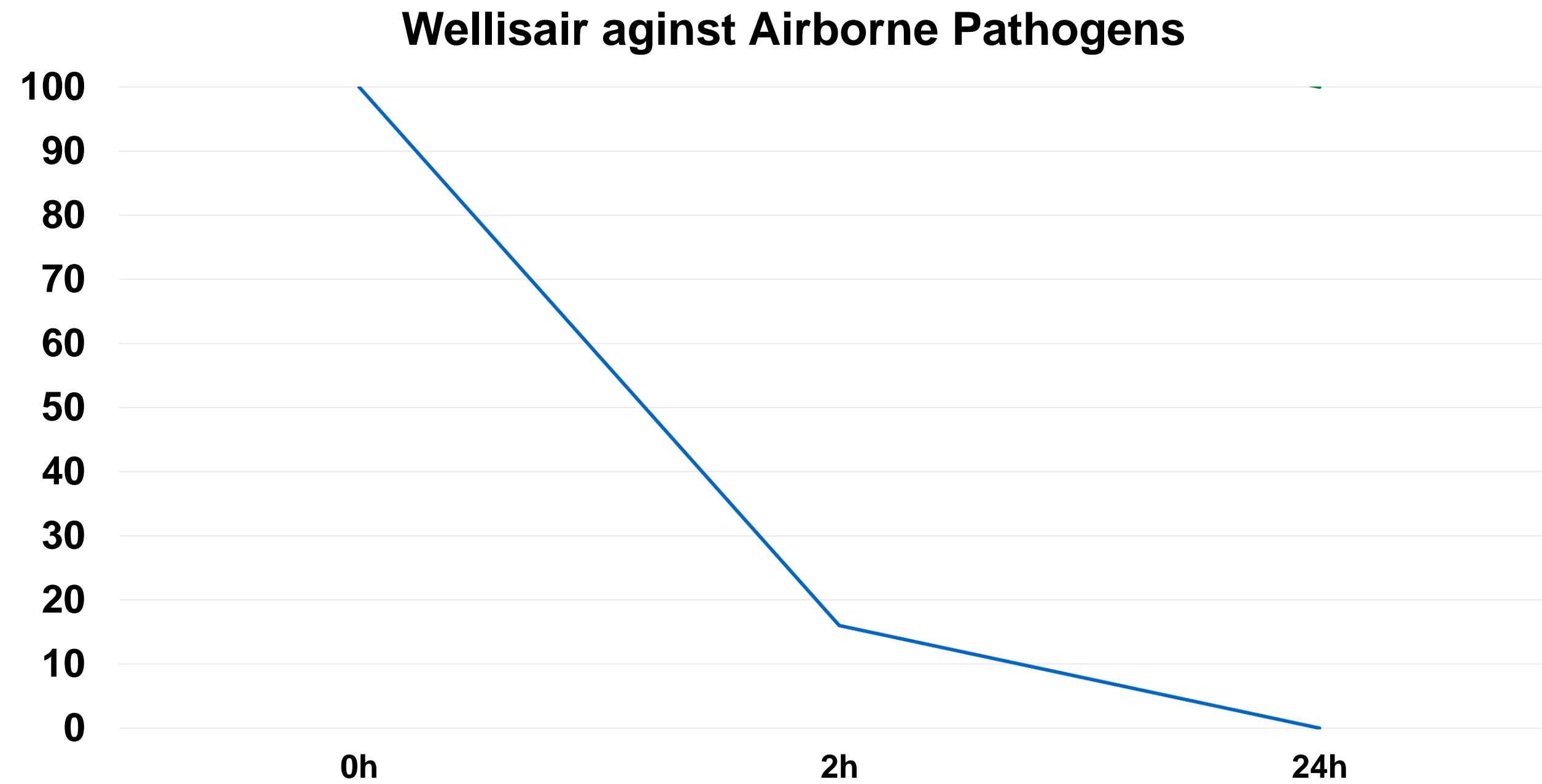
\* Experiment condition : 167m<sup>3</sup> Class room, Installed Wellis WADU-02 for 2 Hours



# Pathogens Test (Field)



## 2. ICU in MahaSarakham Hospital, Thailand (Oct. 08, 2019)



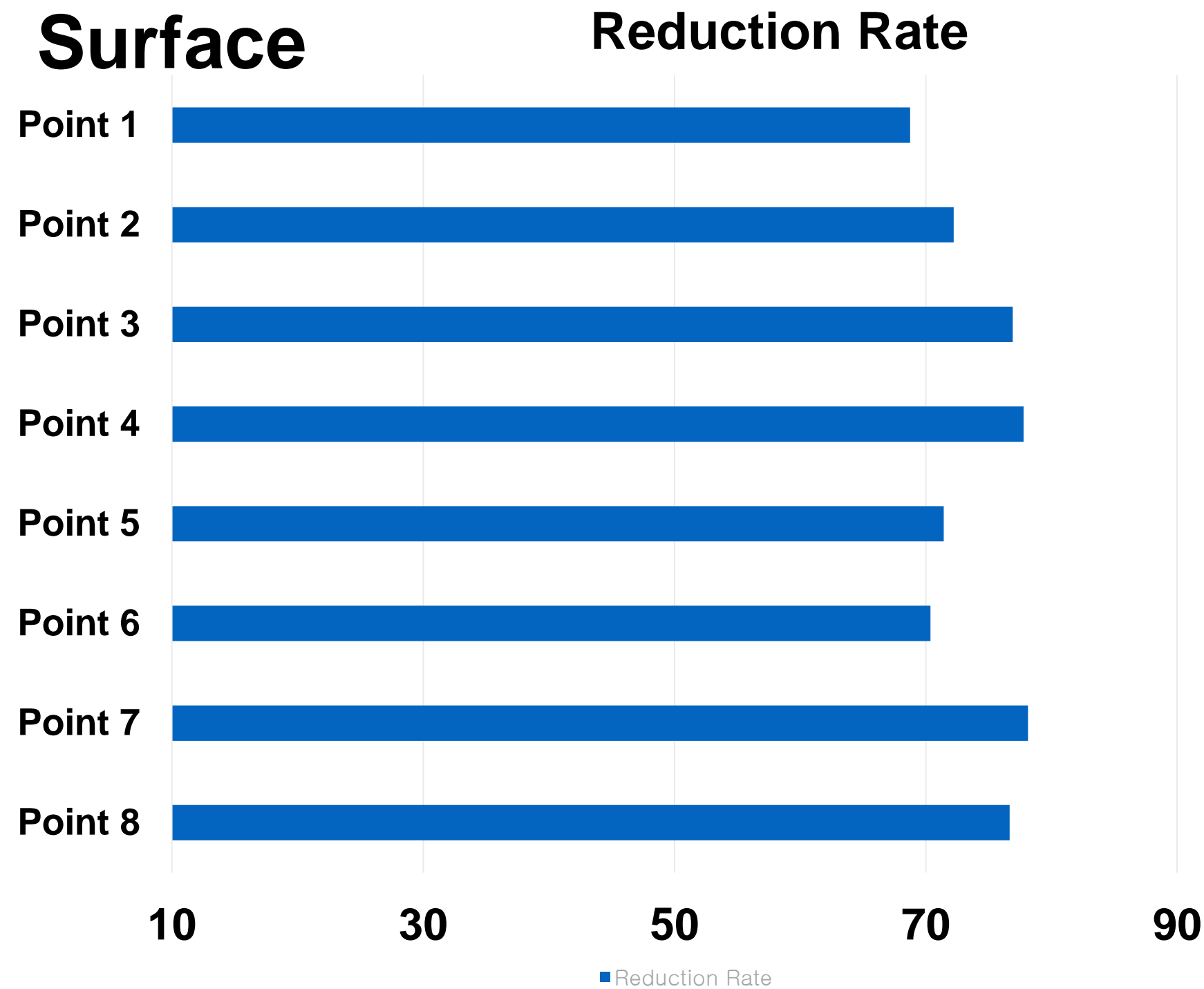
	CFU	REDUCTION RATE
0H	100	0%
2H	16	84%
24H	0	<b>99.999%</b>

\* Experiment condition : 30sqm ICU room. Installed Wellis WADU-02 for 2 Hours and 24 Hours

# Pathogens Test (Field)



## 3. Guang Zhou Institute of Microbiology, China (Dec. 03, 2019)



TEST TIME	SAMPLING LOCATION	ORIGINAL BACTERIA COUNT (CFU/M <sup>3</sup> )	BACTERIA COUNT AFTER TREATMENT (CFU/M <sup>3</sup> )	DEATH RATE (%)
24 HOURS	POINT 1	2.56 X 10 m <sup>2</sup>	80	68.75%
	POINT 2	1.44 X 10 m <sup>2</sup>	40	72.22%
	POINT 3	2.08 X 10 m <sup>2</sup>	48	76.92%
	POINT 4	2.88 X 10 m <sup>2</sup>	64	77.78%
	POINT 5	2.24 X 10 m <sup>2</sup>	64	71.43%
	POINT 6	2.16 X 10 m <sup>2</sup>	64	70.37%
	POINT 7	2.56 X 10 m <sup>2</sup>	56	78.13%
	POINT 8	2.40 X 10 m <sup>2</sup>	56	76.67%

\* Experiment condition : 600sqm ICU room. Installed 24 units of Wellis WADU-02 for 24 Hours

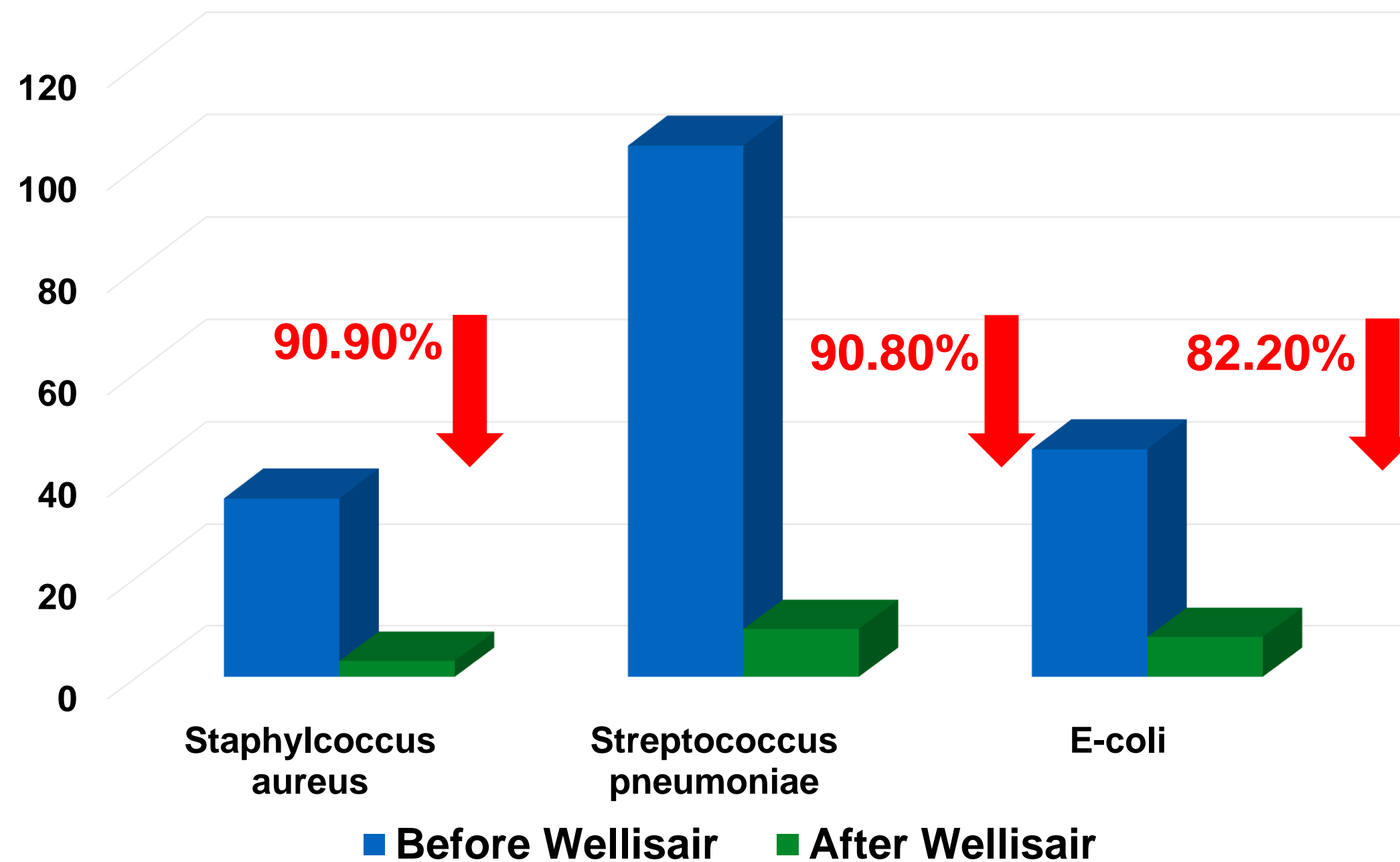


# Pathogens Test (Field)



## 4. Surface Bacteria Test in Bus by KSD, Korea (Sep. 14, 2020)

Wellisair against Surface Pathogens



Pathogenic bacteria in surface contact(CFU/m<sup>3</sup>)

	STAPHYLOCOCCUS AUREUS	STREPTOCOCCUS PNEUMONIA	E-COLI
BEFORE WELLISAIR	35.3	104.2	44.9
AFTER WELLISAIR	3.2	9.6	8.0
REMOVAL EFFICIENCY	90.90%	90.80%	82.20%

\* Experiment condition : Indoor of Public Bus. Installed Wellis WADU-02 for 24 Hours