

**Table S1:** Questionnaire of Experimental Use of the Disinfection Chamber.

IDENTIFICATION OF THE HEALTHCARE UNIT	
Name of the healthcare unit:	
City:	

  

PARTICIPANT IDENTIFICATION	
Name:	
Sex:	
(   ) Male (   ) Female	
Occupation:	
(   ) Physician	(   ) Nursing Technician
(   ) Nurse	(   ) Nutritionist
(   ) Pharmacist	(   ) Others, please specify:
(   ) Physiotherapist	_____

  

HISTORY OF CONTACT	
Do you use sodium hypochlorite (sanitary water) for surface cleaning/disinfection in your home?	(   ) Yes (   ) No
If the response was "yes" to the previous question, do you take any precautions while handling sodium hypochlorite?  Please indicate next to the measures used.	(   ) None (   ) I worry about dilution (   ) I use gloves when handling the sodium hypochlorite (   ) Others: _____  _____
Have you had any reaction to sodium hypochlorite in previous contact?	(   ) Yes (   ) No
If yes to the previous question, indicate the type(s) of reaction(s).	(   ) Irritation or itching of the skin (   ) Irritation or itching in the eyes (   ) Difficulty breathing (   ) Others: _____

Do you consider sodium hypochlorite to be a good disinfectant?	(    ) Yes (    ) No (    ) I not know
Did you know that sodium hypochlorite (0.1% to 0.5%) is effective for the inactivation of the new coronavirus and is recommended by the WHO for the disinfection of home and hospital environments?	(    ) Yes (    ) No
Did you know that the disinfectant solution used in the chamber for PPE disinfection is sodium hypochlorite solution?	(    ) Yes (    ) No

USE OF THE DISINFECTION CHAMBER	
Did you experience any discomfort when using the disinfection chamber?	(    ) Yes (    ) No
If yes to the previous question, please indicate the type of discomfort(s) you felt.	<input type="checkbox"/> Claustrophobia <input type="checkbox"/> Dizziness <input type="checkbox"/> Difficulty breathing <input type="checkbox"/> Skin irritation <input type="checkbox"/> Headache <input type="checkbox"/> Irritation in the eyes <input type="checkbox"/> Others:
If your response was "YES" to the previous question, please specify the degree of irritation.	<input type="checkbox"/> Mild <input type="checkbox"/> Moderate <input type="checkbox"/> Severe
Did you know that the chamber was developed to reduce the microbial load, including that of the new coronavirus, on the surface of PPE?	(    ) Yes (    ) No
Do you consider the use of the disinfection chamber before the PPE doffing process as a safe option?	(    ) Yes (    ) No (    ) Do not know
Did you notice whether all PPE were uniformly humidified after using the chamber?	(    ) Yes (    ) No (    ) Do not know

<b>Do you consider the disinfection chamber to be effective as an additional protective barrier for healthcare professionals?</b>	(    ) Yes (    ) No (    ) Do not know
<b>Do you consider that the use of the disinfection chamber can lead to a false sense of security?</b>	(    ) Yes (    ) No (    ) Do not know
<b>Did you know that even with the use of the chamber all the procedures for the doffing of PPEs must be strictly followed?</b>	(    ) Yes (    ) No
<b>After using the chamber, have you followed all the appropriate PPE doffing procedures?</b>	(    ) Yes (    ) No (    ) Do not know

**Table S2:** Absolute and relative frequency of responses to survey questions evaluated in this study according to the hospital or healthcare unit (values in percentages (%) are presented in brackets).

Survey Question	Alternatives (Answers)	Hospital Arena Fonte Nova	Hospital Ernesto Simões	Hospital Espanhol
Total number of participants	-	98	73	74
Sex	Female	68 (69.39)	56 (76.71)	50 (67.57)
	Male	30 (30.61)	17 (23.29)	24 (32.43)
Occupation	Physician	8 (8.16)	4 (5.48)	4 (5.41)
	Nurse	13 (13.27)	8 (10.96)	11 (14.86)
	Pharmacist	2 (2.04)	0 (0.00)	1 (1.35)
	Physiotherapist	16 (16.33)	5 (6.85)	1 (1.35)
	Nursing Technician	30 (30.31)	38 (52.05)	22 (29.73)
	Nutritionist	3 (3.06)	0 (0.00)	5 (6.76)
	Psychologist	2 (2.04)	0 (0.00)	1 (1.35)
	Administrative Assistant/ Hygienists	7 (7.14)	4 (5.48)	14 (18.92)
	Receptionist	0 (0.00)	0 (0.00)	1 (1.35)
	Biomedical	0 (0.00)	0 (0.00)	2 (2.70)
	Engineer	2 (2.04)	0 (0.00)	2 (2.70)
	General Services (Staff)	0 (0.00)	0 (0.00)	4 (5.41)
	Social Worker	1 (1.02)	0 (0.00)	0 (0.00)
	Rescuer	0 (0.00)	0 (0.00)	0 (0.00)
	Others	14 (14.29)	14 (19.98)	0 (0.00)
Do you use sodium hypochlorite (sanitary water) for surface cleaning/disinfection in your home?	Yes	83 (84.69)	70 (95.89)	72 (97.30)
	No	15 (15.31)	3 (4.11)	2 (2.70)
If the response was “yes” to the previous question, do you take any precautions while handling sodium hypochlorite?	None	19 (19.39) (20.43)	10 (13.16)	12 (14.81)
	I worry about dilution	46 (46.94) (49.46)	36 (47.37)	42 (51.85)
	I use gloves when handling the sodium hypochlorite	28 (28.57) (30.11)	28 (36.84)	26 (32.01)

	Others	0 (0.00)	2 (2.63)	1 (1.23)
Have you had any reaction to sodium hypochlorite in previous contact?	Yes	13 (13.27)	22 (30.14)	15 (20.27)
	No	85 (86.73)	51 (69.86)	59 (79.73)
If yes to the previous question, indicate the type(s) of reaction(s).	Irritation or itching of the skin	8 (38.10)	11 (32.35)	7 (36.84)
	Irritation or itching in the eyes	6 (28.57)	13 (38.24)	8 (42.11)
	Difficulty breathing	6 (28.57)	10 (29.41)	3 (15.79)
	Others	1 (4.76)	0 (0.00)	1 (5.26)
Do you consider sodium hypochlorite to be a good disinfectant?	Yes	88 (86.24) (89.80)	58 (79.45)	63 (85.14)
	No	4 (3.92) (4.08)	2 (2.74)	2 (2.70)
	Do not know	6 (5.88) (6.12)	13 (17.81)	9 (12.16)
Did you know that sodium hypochlorite (0.1% to 0.5%) is effective for the inactivation of the new coronavirus and is recommended by the WHO for the disinfection of home and hospital environments?	Yes	83 (81.34) (84.69)	61 (83.56)	66 (89.19)
	No	15 (14.70) (15.31)	12 (16.44)	8 (10.81)
Did you know that the disinfectant solution used in the chamber for PPE disinfection is sodium hypochlorite solution?	Yes	91 (92.86)	58 (79.45)	72 (97.30)
	No	7 (7.14)	15 (20.55)	2 (7.70)
Did you experience any discomfort when using the disinfection chamber?	Yes	16 (16.33)	9 (12.33)	12 (16.22)
	No	82 (83.67)	64 (87.67)	62 (83.78)
If yes to the previous question, please indicate the type of discomfort(s) you felt.	Claustrophobia	0 (0.00)	0 (0.00)	0 (0.00)
	Dizziness	2 (5.88)	2 (12.50)	0 (0.00)
	Difficulty breathing	7 (20.59))	2 (12.50)	2 (8.33)
	Headache	5 (14.71)	2 (12.50)	5 (20.83)
	Skin irritation	4 (11.76))	4 (25.00)	5 (20.83)
	Irritation in the eyes	7 (20.59))	2 (12.5)	10 (41.67)
	Throat irritation	8 (23.53))	4 (25.00)	2 (8.33)
	Others	1 (2.94)	0 (0.00)	0 (0.00)
If your response was "YES" to the previous question, please specify the degree of irritation.	Mild	7 (43.75)	1 (14.29)	4 (33.33)
	Moderate	8 (50.00)	6 (85.71)	8 (66.67)
	Severe	1 (6.25)	0 (0.00)	0 (0.00)
Did you know that the chamber was developed to reduce the microbial load, including that of the new coronavirus, on the surface of PPE?	Yes	93 (94.90)	69 (94.52)	74 (100)
	No	5 (5.10)	4 (5.48)	0 (0.00)
Do you consider the use of the disinfection chamber before the PPE doffing process as a safe option?	Yes	75 (76.53)	37 (50.68)	56 (75.68)
	No	7 (7.14)	7 (9.59)	5 (6.76)

	Do not know	16 (16.33)	29 (39.73)	13 (17.57)
Did you notice whether all PPE were uniformly humidified after using the chamber?	Yes	62 (63.27)	26 (35.62)	38 (51.35)
	No	21 (21.43)	12 (16.44)	24 (32.43)
	Do not know	15 (15.31)	35 (47.95)	12 (16.22)
Do you consider the disinfection chamber to be effective as an additional protective barrier for healthcare professionals?	Yes	77 (78.57)	47 (64.38)	60 (81.08)
	No	9 (9.18)	5 (6.85)	4 (5.41)
	Do not know	12 (12.24)	21 (28.77)	10 (13.51)
Do you consider that the use of the disinfection chamber can lead to a false sense of security?	Yes	30 (30.61)	24 (32.88)	25 (37.78)
	No	52 (53.06)	28 (38.36)	36 (48.65)
	Do not know	16 (16.33)	21 (28.77)	13 (17.57)
Did you know that even with the use of the chamber all the procedures for the doffing of PPEs must be strictly followed?	Yes	97 (98.98)	70 (95.89)	72 (97.30)
	No	1 (1.02)	3 (4.11)	2 (2.70)
After using the chamber have you followed all the appropriate PPE doffing procedures?	Yes	92 (93.88)	47 (64.38)	74 (100)
	No	0 (0.00)	2 (2.74)	0 (0.00)
	Do not know	6 (6.12)	24 (32.88)	0 (0.00)