

CASPR

THE FUTURE OF CONTINUOUS
INDOOR AGRICULTURAL
PATHOGEN CONTROL



THE CASPR STORY



COMPANY



TECHNOLOGY



RESULT



PRODUCTS



CANNABIS
PROGRAM

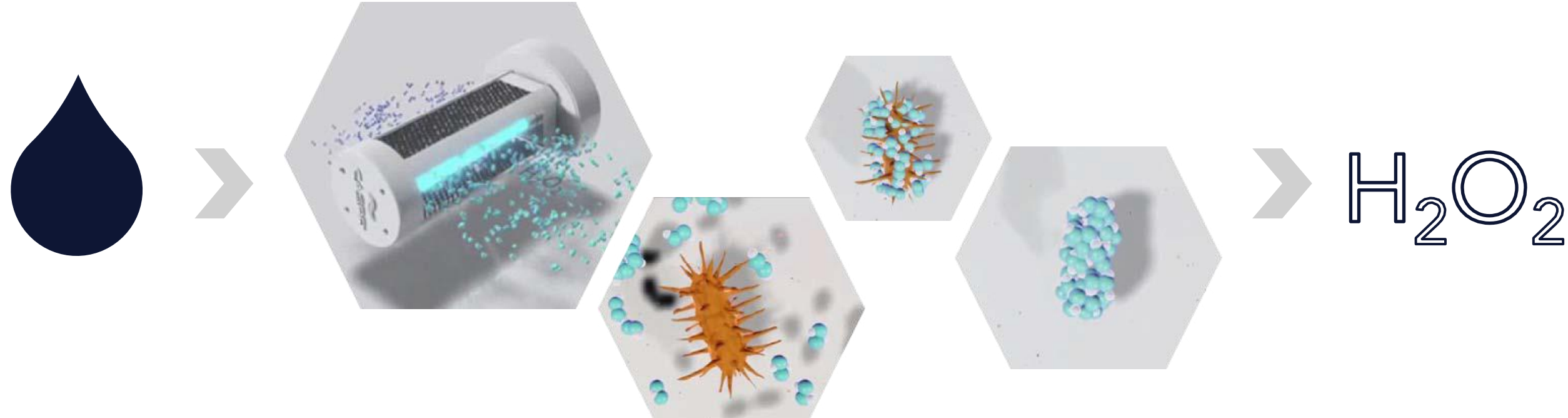
WHY IS CASPR TECHNOLOGY BETTER?

WE DEVELOPED NCC TECHNOLOGY


NCC is a proprietary, patent-pending, natural catalytic conversion technology that converts ambient humidity to measurable amounts of H₂O₂ with no trace of by-products (formaldehyde, ozone, etc).

WHAT IS THE DIFFERENCE BETWEEN NCC & PCO?

NCC uses high intensity light + proprietary coating to more efficiently complete the oxidation conversion process of ambient humidity to H₂O₂. This eliminates harmful bi-products and increases the measurable amount of H₂O₂ when compared to PCO technology.



NOT ALL TECHNOLOGY IS CREATED EQUAL

		Filtration	UV Light	Misters/ Sprayers	Bipolarization	PCO
Proven effective against a broad spectrum of clinically relevant pathogens	✓	✓	✓	✓	✓	✓
Continuous pathogen reduction	✓	✗	✗	✗	✗	✓
Safe to use in occupied spaces	✓	✓	✗	✗	✓	✗
No disruption or delayed access to occupied areas	✓	✓	✗	✗	✓	✓
Continuously eliminates odors	✓	✗	✗	✗	✓	✓
No operator required (true “No Touch”)	✓	✓	✗	✗	✓	✓
Avoids production of harmful compounds	✓	✓	✓	✓	✗	✗

KEY COMPONENTS



HIGH INTENSITY BULB

Resonates at proprietary frequency to maximize the conversion of H₂O (water) and O₂ (oxygen) into H₂O₂ (hydrogen peroxide)



CATALYST

Made of a proprietary metal that reacts when light is applied. The honeycomb design is also proprietary to CASPR (called the NCC cell)



HOUSING

Houses the power supply and provides a reliable, continuous source of energy to the bulb

WALL SAMPLES | CASPR VS CONTROL

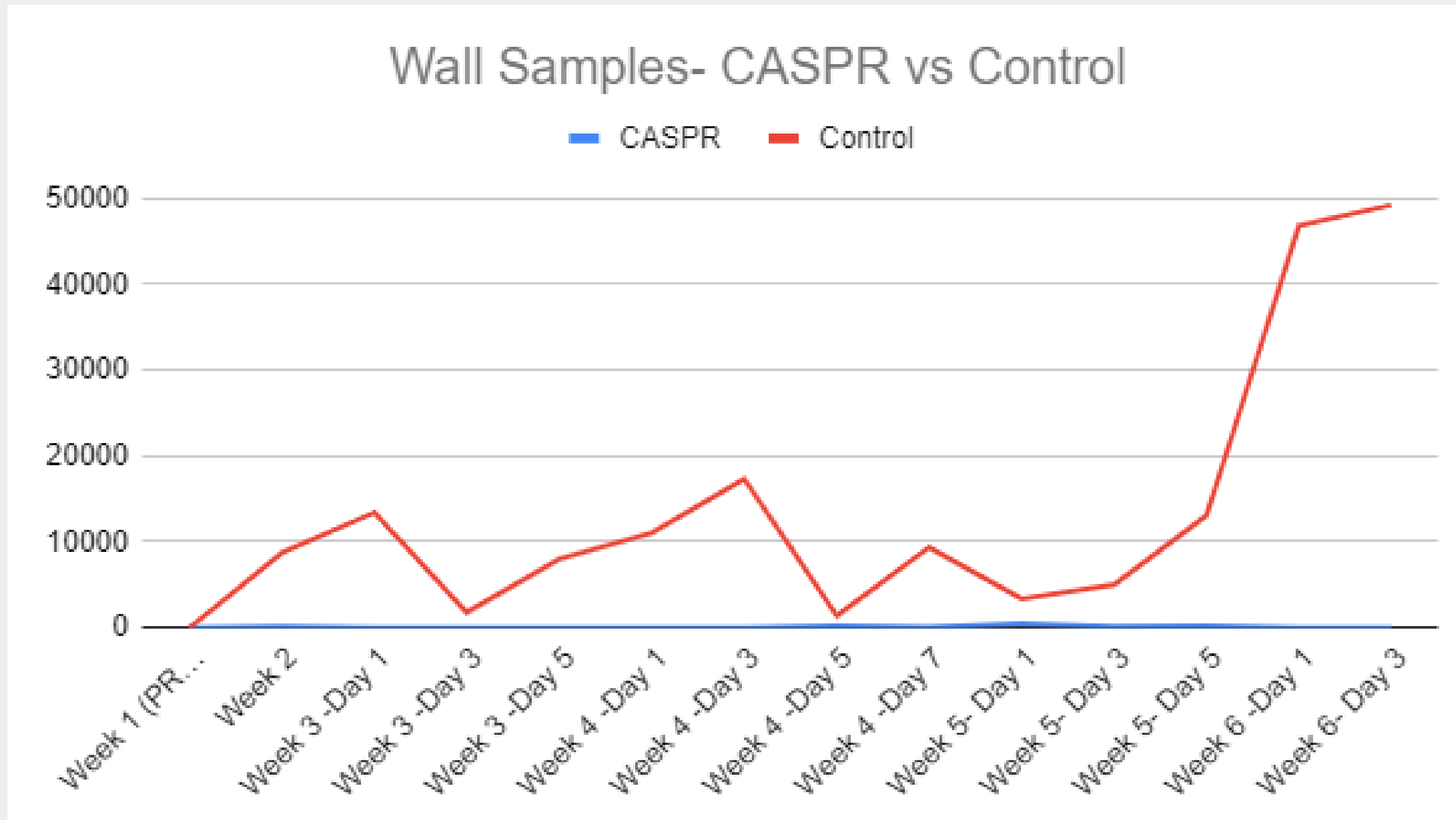
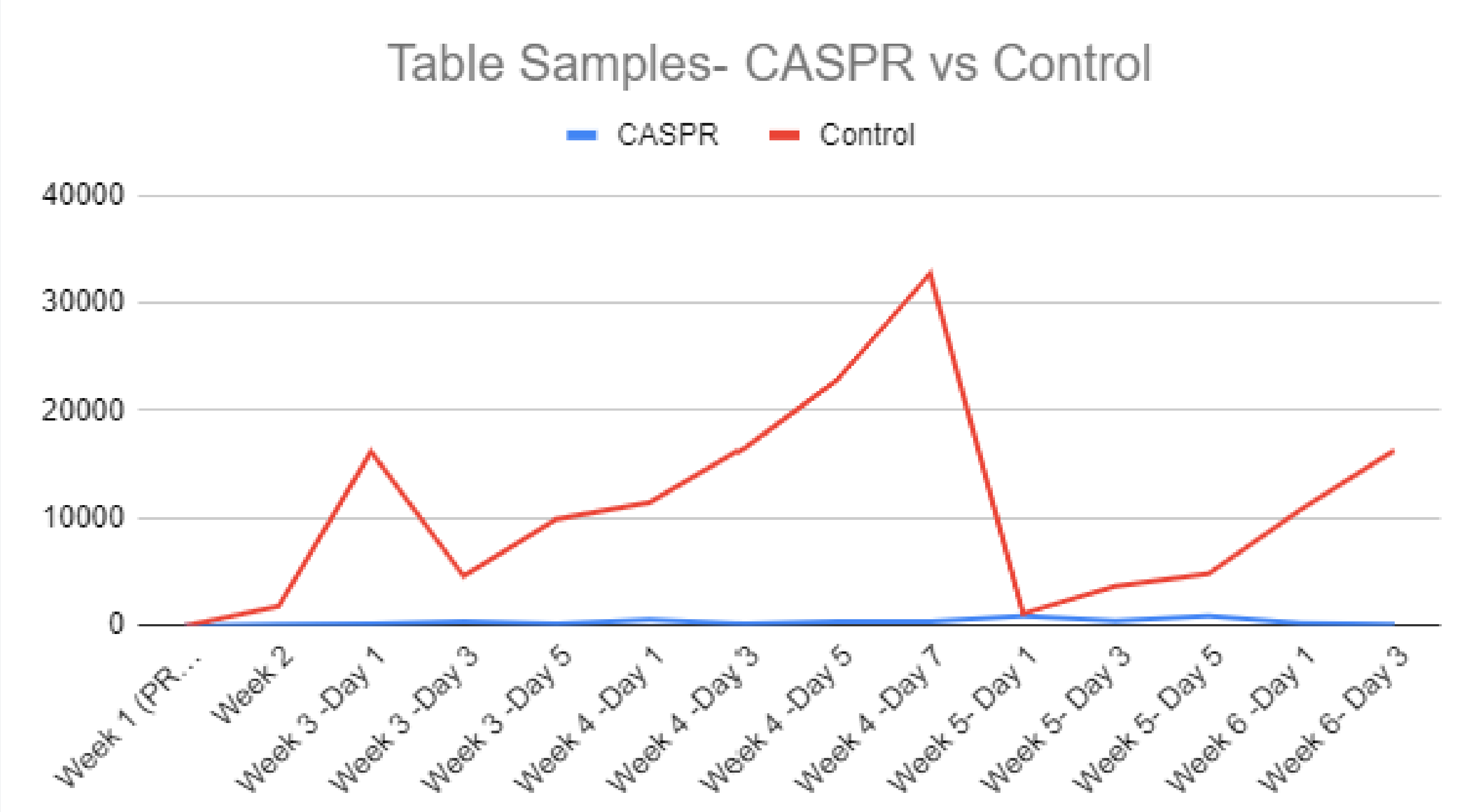


TABLE SAMPLES | CASPR VS CONTROL



CASPR SAMPLE

Sample information

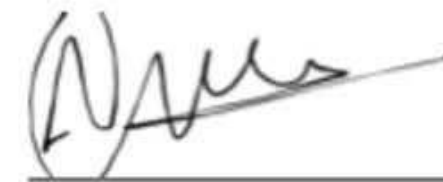
Sample Name _____ Sample Receiving Date **09-Dec-2021**
 Sample ID _____ Receiving Temperature **23°C**
 Laboratory ID _____

Results information

Analysis Date	Test	Method Ref.	Results	Units	Specification
14-Dec-2021	Bile-Tolerant Gram Negative Bacteria	EP 2.6.12	<10	MPN/g	≤10,000 MPN/g
14-Dec-2021	Aerobic Microbial Count	EP 2.6.12	670	CFU/g	≤500,000 CFU/g
14-Dec-2021	Escherichia coli	EP 2.6.13	Negative	/g	Absence/g
14-Dec-2021	Salmonella spp.	EP 2.6.13	Negative	/25g	Absence/25g
14-Dec-2021	Yeast and Mold Count	EP 2.6.12	1,480	CFU/g	≤50,000 CFU/g

Authorized by: Laboratory Manager

Signature:



Details of testing

1. Results only apply to the items tested and to the sample(s) as received.
2. This report may not be distributed or reproduced except in full.

CASPR SAMPLE



Tel: +15144466500
samples@pathogenia.com

Sample information

Sample Name	Sample Receiving Date	09-Dec-2021
Sample ID	Receiving Temperature	23°C
Laboratory ID	Analysis Date	13-Dec-2021
Method Ref.		

Cannabinoids Profile

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
CBC	<0.01	<0.10	0.01
CBD	<0.01	<0.10	0.01
CBDA	0.04	0.40	0.01
CBDV	<0.01	<0.10	0.01
CBG	0.09	0.90	0.01
CBGA	0.76	7.60	0.01
CBN	<0.01	<0.10	0.01
D8-THC	<0.01	<0.10	0.01
D9-THC	1.05	10.50	0.01
THCA-A	29.28	292.80	0.01
Total THC	26.73	267.29	
Total CBD	0.04	0.35	

Cannabinoids profile maintained



26.73%
Total THC

0.04%
Total CBD

Total THC = THC + (THCA*0.8777), Total CBD = CBD + (CBDA*0.877)

Total THC/CBD is calculated using the formulas to take into account the loss of carboxyl group during decarboxylation step.

Authorized by: Laboratory Manager

Signature:

Details of testing

1. LOQ- Limit of quantification
2. % w/w: percent (weight of analyte/ weight of product)
3. Results only apply to the items tested and to the sample(s) as received.
4. This report may not be distributed or reproduced except in full

CASPR MEDIK

Electrical	Standard 120/240-volt grounded outlet
Mechanical	NCC Technology
Dimensions	23.9" H 23.9" W 5.4" D
Coverage	2500 - 5000 sq. ft. weighs 10.5 lbs.
Air Flow	87.8 CFM
Weight	10.5 lbs.



CASPR BLU TILE

Electrical	Standard 120/240-volt grounded outlet
Mechanical	NCC Technology
Dimensions	23.9" H 23.9" W 5.4" D
Coverage	1,500-2,500 sq. ft.
Air Flow	87.8 CFM
Weight	10.5 lbs.



CASPR COMPACT

Electrical	120/220 VAC, 50/60
Mechanical	NCC Technology
Dimensions	13" H x 8.75" W x 10.75" D
Coverage	1,500 sq. ft.
Max Temp	150 F
Weight	10.2 pounds



CASPR TRANSIT

Electrical	100-240 VAC, 50/60
Mechanical	NCC Technology
Dimensions	9" H x 10" W x 2.6 D
Coverage	200 sq ft
Max Temp	100 F
Weight	3.5 pounds



THANK YOU

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