

# 空快 JET 自社で完結する衛生管理

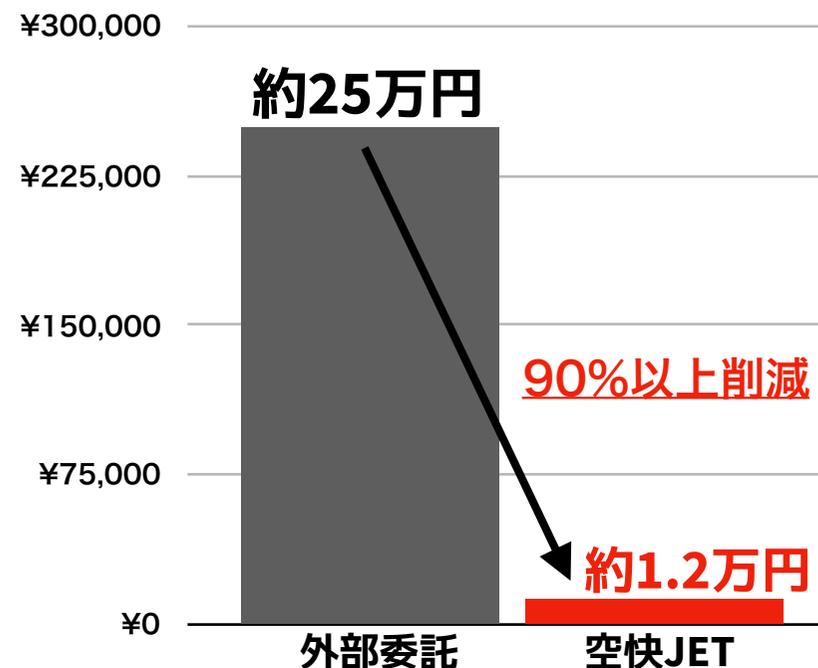
—オフィス 消毒の自社完結によるコスト・時間の削減—

# 1. 自社完結（空快JET導入）の利点

- ◆ 1回の作業にかかる**費用が90%以上削減**
- ◆ ダウンタイム（非稼働時間）が**90%以上短縮**
- ◆ 秘密保持契約など事務処理負担が軽減
- ◆ 機密漏えいリスクなし

## 外部委託と空快JETの比較（300平方メートルのオフィスの場合）

	外部委託	自社完結 (空快JET)
コスト	20~30万 (@650~1000円/m <sup>2</sup> )	1.2万円 (@40/m <sup>2</sup> )
作業時間	12時間以上	1時間
即応性	人員/社会状況次第	いつでも可能
機密漏えい リスク	あり	なし



# 2.使い方

空快JETは誰でも簡単に扱えます。



空快JET\_XL



使用



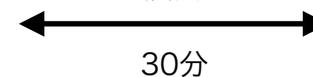
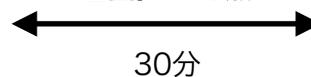
発生



退出/くん蒸



換気



## 使用量の目安

オフィス床面積		空快JET使用数量		概算費用
10㎡	50人の利用するトイレ	M	1	¥1500円
20~40㎡	10人の会議室	L	1	¥2000円
100㎡	10~13人のオフィス	XL	1	¥3000円
300㎡	30~35人のオフィス	XL	3~4	¥9000~¥12000円
500㎡	50~60人のオフィス	XL	6~8	¥18000~¥24000円

# 3.効果と実例

約40㎡の休憩室に、菌液を噴霧。その後、浮遊菌を回収し、空快JETを使用。30分後浮遊菌を回収。

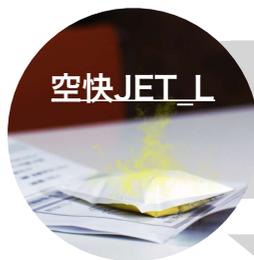
使用前

平均菌数：8.2×10<sup>6</sup>



空快JET\_L

30分後



使用后

平均菌数：48



**空快JET使用後の結果：**  
**浮遊細菌数99.99%以上減少**



# 参考)

右の査読付き論文は、二酸化塩素による燻蒸によって、室内のコロナウイルスが99%不活化したことを報告したものです。



## Virucidal Activity of Chlorine Dioxide Gas for Reduction of Coronavirus on Surfaces and PPE

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1時間のくん蒸で、表面の新型コロナウイルスが、99.91%以上減少し、2時間のくん蒸では、99.99%以上減少しました。

二酸化塩素はガス状であるので、ウイルスが生存しやすい多孔質や室内の様々な表面のウイルスに対して、安定したウイルス不活化効果を示します。

### Abstract

A coronavirus (SARS-CoV-2) has caused a global pandemic and associated morbidity and mortality resultant from COVID-19. As a result of efforts to control direct (person to person) and indirect (contaminated objects, surfaces, indoor air) transmission of the virus, various interventions have been evaluated. Studies were conducted to evaluate the efficacy of commercially available chlorine dioxide (CD) products to reduce viral loads on PPE (face masks) and surfaces using a novel dry gas release intervention. The efficacy of CD slow release 30-day sachets was tested on N95 face masks inoculated with human coronavirus OC43 in suspension. One sachet was placed with an inoculated mask in plastic resealable bags. Three trials were completed using the original sachet where a mask and sachet were placed into a plastic bag for 13 hours per sachet age of 1 day, 14 days, and 30 days. The amount of CD generated during a 13-hour treatment period was 0.30 mg. The nominal concentration of CD was estimated to be 317 mg/m<sup>3</sup>. All three tests demonstrated at least a 99.91% reduction of viral loading in the mask versus a non-treated control. Efficacy of CD dry gas fast releasing pods (Ultrashok) for fumigation was also tested in a 1344 ft<sup>3</sup> closed room. Two pods were placed in the space and CD surface virucidal efficacy was tested in three locations of the room after 1 hour and 2 hours of dwell time. The estimated nominal peak concentration was 15 ppmv in the room. The one-hour exposure saw a >99.91% OC43 reduction on surfaces and the two-hour exposure resulted in a >99.99% OC43 reduction on surfaces versus a non-treated control. These results indicate dry CD is highly effective against human coronavirus. CD was 99.91% effective for eliminating human coronavirus OC43 in both sachet and capsule fumigant form using both fast and slow release mechanisms. Rapid fumigant application is suitable for contaminated rooms, ambulances, emergency vehicles, and many types of PPE, most particularly porous PPE materials. The gaseous state of CD allows for rapid diffusion and transfer of the virucidal