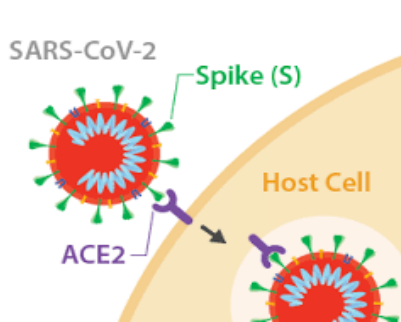


# SMITECH World's 1<sup>st</sup> Covid-19 Protective System to Mitigate Risk of Infection

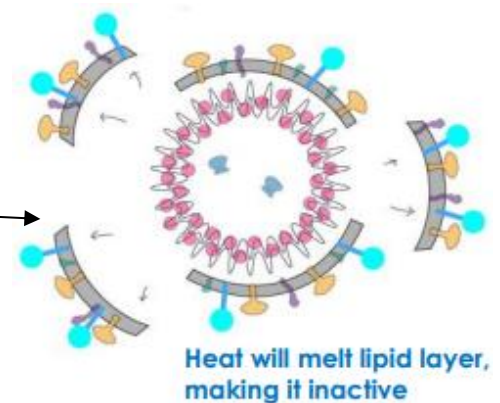


## How do we get infected?

- World Health Organisation (WHO) states that COVID-19 is transmitted by droplets and airborne pathogens from infected people.
- They thrive under room temperature or lower.
- Viruses are protected with a layer of lipid (fat) and protein membrane.
- Infects body by binding its protein with ACE2 (located in human cells) which release genetic materials of virus.
- Primary location of infection is from the **nose, mouth and into our lungs.**
- People with asymptomatic cases can still infect and spread.

## Research Background

- Virus is a self-assembled nanoparticle in which the weakest link is the lipid (fatty) bilayer.
- Studies have shown that the lipid bilayer of virus will 'melt' at 56°C of heated air after 15 minutes of exposure, causing it to become inactive
- Recommend soap washing of hands for 20 sec, 70% alcohol swab or heat exposure at high **temperature (65-85°C) at a shorter time (3-5 mins)**. Same concept as cooking!



## Future Outlook of Coronavirus Pandemic

- Predicted 3 Waves similar to Spanish Flu lasting 2 years. The second wave has the highest fatalities
- CNN / CDC confirmed 40% of Covid-19 tested positive are from asymptomatic cases.
- Inhaling heated air can reduce viral load by **99.99%**. Many successful reports using heat in Asia.
- Virus take 2-3 days to penetrate into body cells
- Able to use 2-day window period to kill the viruses before they enter our body cells. Best time to breathe hot air after visiting crowded areas.



**Protect your Family & yourself with our System**



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Your Partner  
For Healthy Lifestyle

# SMITECH Covid-19 Hot Air Disinfector (5-in-1)

## Benefits on Hot Air Disinfector

- Reduce viral load by 99.99% after each treatment cycle.
- Protects patient and members of the public against infection.
- To disinfect face mask, mouth, nose, throat, and lungs by inhalation (5-in-1).
- Good portability, able to carry while travelling
- Easy to use, only 1 mode at fixed temperature (65-85°C)
- Non- invasive and fast treatment (5-10mins).
- Tested by multiple users, safe to inhale hot air, same as sauna bath temperature.



## Hot Air Disinfector Kit

- SMITECH portable hot air disinfector ( Modified Hair Dryer with Temperature control)
- Digital electronic timer
- Temperature indicator to monitor airflow heat
- Eye goggle to insulate the heat from eyes
- Apron or Cloth to insulate neck & chest
- Fingertip pulse oximeter (optional)



## Procedure

- Only one mode at fixed temperature (65°C- 85°C)
- Inhale heated air for 5 to 10 minutes.
- Recommended 1 to 2 times each day to neutralise all virus load.
- Hot air will neutralise the coronavirus within **5 minutes** at temperature **above 70 °C**.
- Set Timer between 5 to 10 mins depending on exposure of the temperature.
- Monitor heart rate and SpO2 level using a pulse oximeter during treatment process (optional).
- Recommend to drink water **before** each heat treatment.

Operation: AC230V 50Hz 650W Available in Lazada.

CE approved / ISO 9001:2015

and Shopee.

- Net Weight: 1.5kg

- Packing Box: 280L x 200W x 83H



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