IPSUM
LIFESCIENCES LLP
Journey from Evolution to Revolution

BioTrap ™

General Scenario

1 Respiratory infection is the major cause of death among all infectious diseases caused by various infectious viruses and bacteria

2 For a few diseases there is a treatment available, however, in case of disease which are difficult to treat, prevention is the only solution

3 In the case of respiratory infectious diseases, the prevention of contact of disease carriers is a challenge.

4 For major of identified diseases; vaccines and/or drugs are available which helps to treat infected personnel and life can be saved

5 If the population is aware of the means of prevention of spreading infectious disease then more life can be saved and protected in the easiest way.

6 There are anti-viral masks available, which works on the principle of "filtration" alone or "filtration" followed by "killing" using a potential anti-viral agent.

For general public ideal masks or respirator should be

05 Should be non-toxic/non-harmful to user, and should be allowed for prolonged exposure

04 Should prevent the spread either by just avoiding contact or avoiding the contact followed by killing

03 • Should give broad-spectrum protection

02 • Should easy to use – breathable
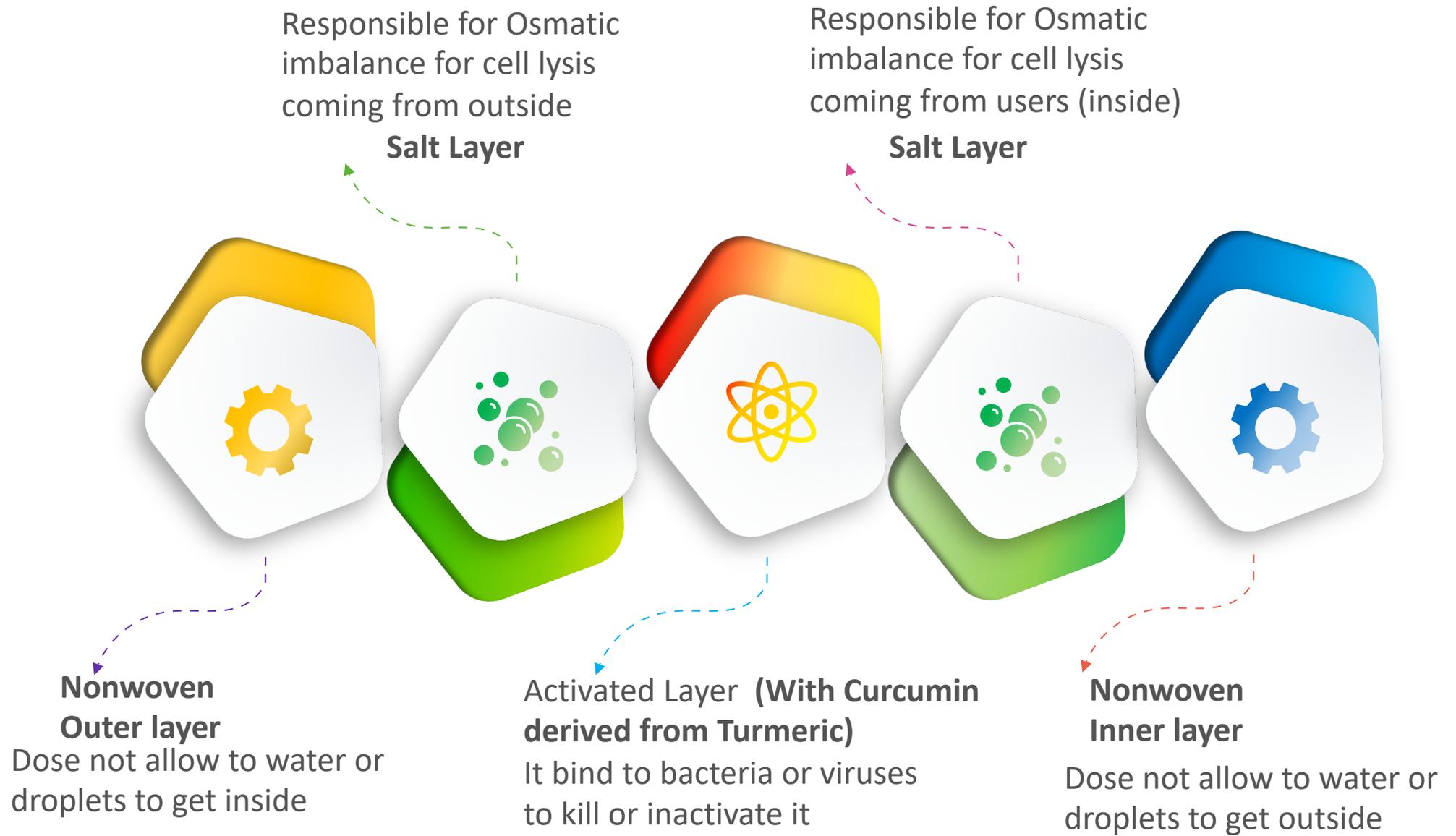
01 • Should be affordable

BioTrap

Use of Curcumin from Turmeric

Five Layered Protection

Self Sanitize Face Mask

5 Ply Face Mask

Responsible for Osmatic imbalance for cell lysis coming from outside
Salt Layer

Responsible for Osmatic imbalance for cell lysis coming from users (inside)
Salt Layer

Nonwoven
Outer layer
Dose not allow to water or droplets to get inside

Activated Layer **(With Curcumin derived from Turmeric)**
It bind to bacteria or viruses to kill or inactivate it

Nonwoven
Inner layer
Dose not allow to water or droplets to get outside

BioTrap Innovations

Five Layered Protection

BioTrap Innovations

WaterProof

Prior art

This mechanism of adsorption followed by killing via novel complex and when applied on solid porous support must not require use of any low-pore filters

This is leading to ease of usage of this barrier and breathing as well as non-toxic nature helps for prolonged usage by the wearer.

It provides the better, affordable and safe product, for first line of defence against harmful enveloped virus and bacterial infections.

It act as first line of defence against harmful enveloped virus and bacterial infections.

THANK YOU