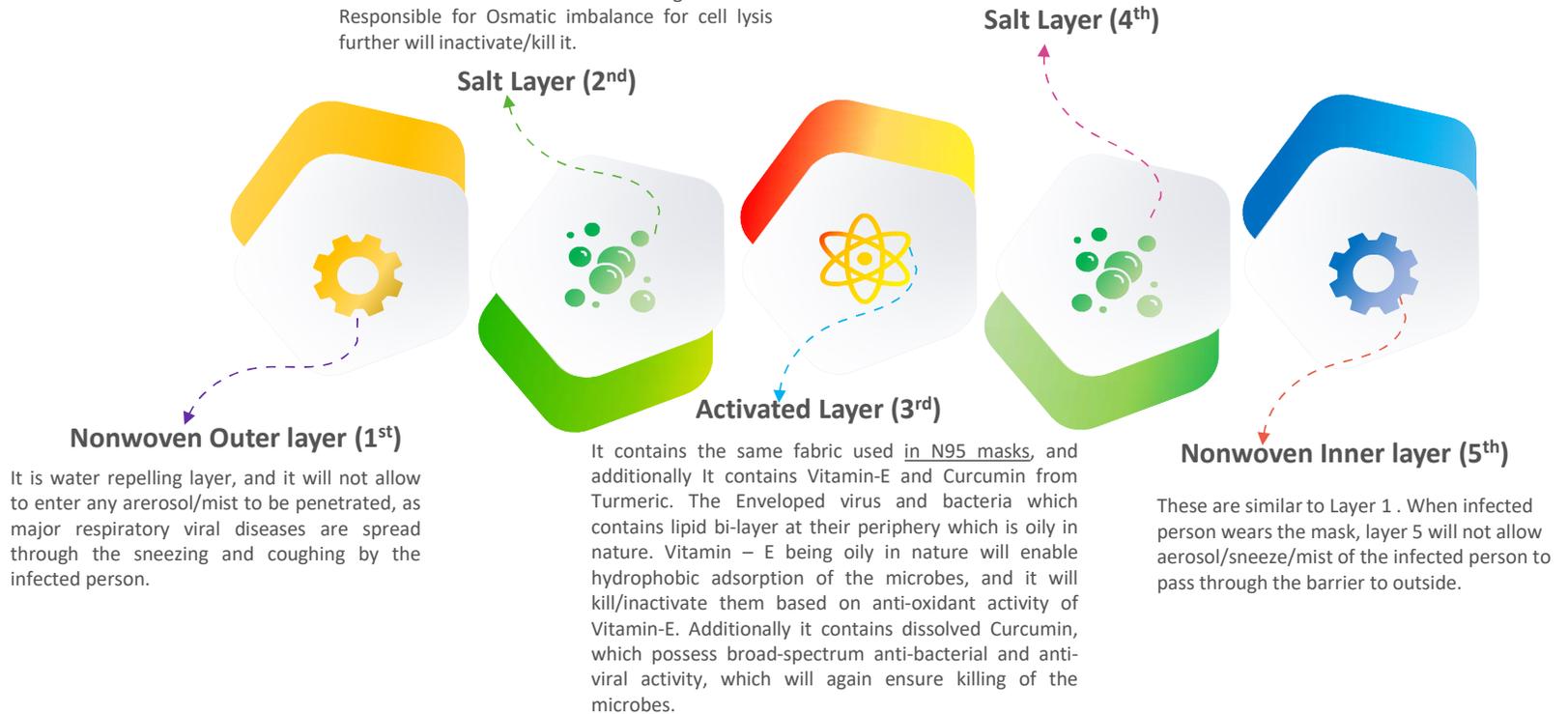


BioTrap™



It contains very high salt concentration. If any microbe is able to penetrate through Layer-1, then it will come in contact of salts, which will absorb all the water from the microorganism and Responsible for Osmotic imbalance for cell lysis further will inactivate/kill it.

This is similar to Layer 2. When infected person wears the mask, layer 4 will absorb all the water from the microorganism and Responsible for Osmotic imbalance for cell lysis further will inactivate/kill it.



- ❑ In addition to filtration, this mask works on the principle of **Filtration + Adsorption + Killing/inactivation** of the contacting microbes, while normal masks like N95 works only on the principle of filtration of microbes.
- ❑ Since normal N95 masks works on filtration principle, it will have active microbes on the surface after usage, while in case of Biotrap they will be inactivated due to salt, curcumin (turmeric) and vitamin E, by the known mechanisms of osmotic lysis, microbicidal activities.
- ❑ **Filtration efficiency as same as N95** and it can be use up to 5 days.