

Hy-IQ™

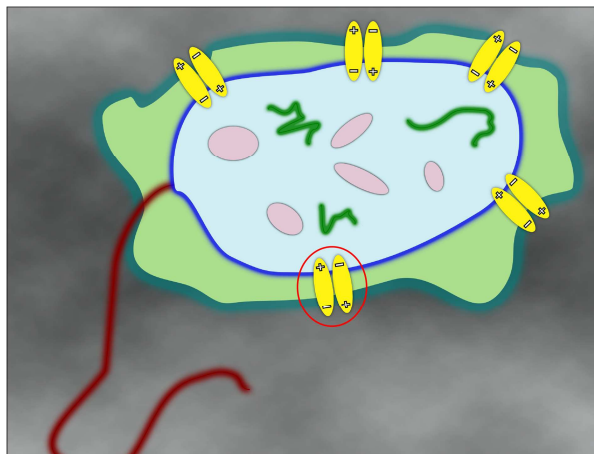
Hyper-Ionic Quotient

Aphex BioCleanse Systems has developed and patented unique formulations to create the world's most advanced sanitizers.

ProtAphex is our inert ingredient that augments the performance of standard, FDA approved anti-bacterial and anti-viral agents.

ProtAphex gives a product a Hy-IQ, or Hyper-Ionic Quotient. This property of the product means it has an enormous amount of embodied electrical energy. But how does that help kill germs?

It's quite simple, really. Germs, otherwise known as bacteria or viruses, have many differences in their physical make up. However, as this very simple illustration shows, they all have one feature in common.

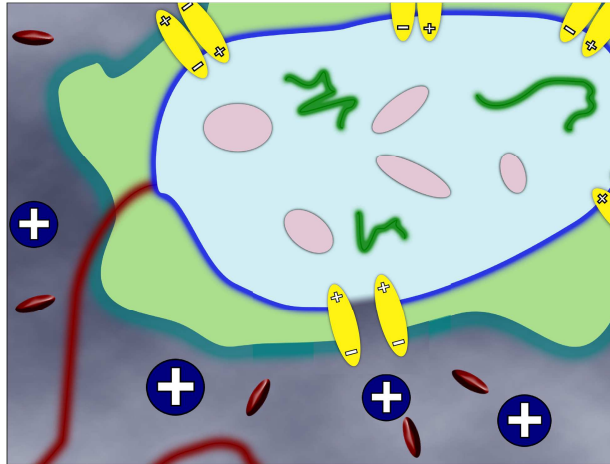


The outer cell walls of both viruses and bacteria have pairs of proteins in them.

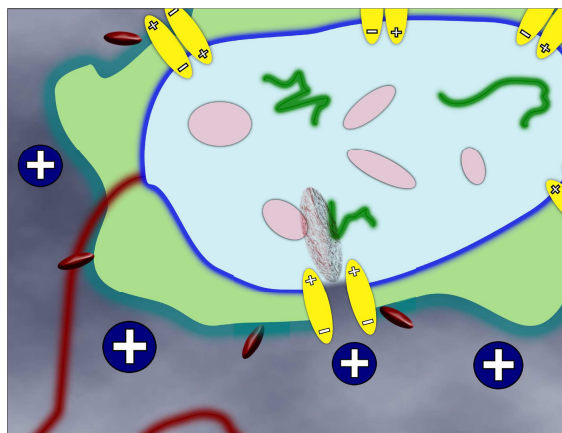
These proteins are not chemically bound together like the lipids that make up the rest of the cell wall, but rather are held together by non-covalent bonds, or in layman's terms, electromagnetic attraction.

The positively charged side of the protein is attracted to the negatively charged opposite side of its neighboring protein. This creates a kind of "door" into the cell.

When we flood the infected surface with a product that has a Hy-IQ, we are able to electrically alter the structure of the cell. The overwhelming protonic charge of the sanitizer forces the proteins to re-align themselves. In doing so, they also separate from each other, because, as we all know, opposites attract and likes repel.



Now, a standard FDA approved biocidal agent, depicted here as red capsules, has easy access to the interior of the germ. Once inside, the biocide can now neutralize the bacteria or virus quickly, easily and with minimal resistance.



This leaves the surface, be it skin or otherwise, sanitized of virtually all harmful pathogens.

And that is the enormously beneficial power of