

GymValet®

Holder for Sanitizer Spray Bottles and Towels

DISINFECTING ENVELOPED VIRUSES

Perhaps one of the few encouraging aspects of the COVID-19 outbreak is that the virus is enveloped. Enveloped viruses are the easiest to kill of the three types of viruses. “Enveloped” means they are able to stick to surfaces, but are also able to be killed with disinfectants. For all of the pain and suffering that COVID-19 has caused, you may find it interesting to know that the novel virus particle measures only one-nine hundredth of the width of a strand of hair. (Mayo Clinic)

Enveloped viruses are the least resistant [of all virus forms] to inactivation by disinfection! The structure of these viruses includes a lipid envelope, which is easily compromised by most disinfectants. Once the lipid envelope is damaged, the integrity of the virus is compromised, thereby neutralizing its capacity to infect. (safety.blr.com)

So, what disinfectant (family) should you use? Quaternary Ammonium compounds (Quats.) are widely used as disinfectants; probably the best disinfectant to use in the fitness center setting. The solution we (GymValet/B & D Specialty Concepts, Inc.) represent uses Quaternary Ammonium as the active ingredient. In a recent scientific study, published in the November 28, 2020 edition of *The Journal of Hospital Infection*, Quaternary ammonium was shown to be able to be “highly effective at inactivating SARS-CoV-2 [COVID-19 is a SARS-CoV-2 type virus] within 15 seconds of contact.”

Just thought you might like to know some of the chemistry and science behind the disinfecting process as it relates to COVID-19. Please be assured that we provide you with the best process—attach the cleaning supplies right on to the equipment with the GymValet!—and products for keeping your fitness facility clean and safe as we enter into the new normal.