

## Covid-19 Drug development

Covid-19 drug development is basically based on **two (2)** requirements:

First, Killing Covid-19 virus and second, boosting immunity to prevent relapse or improve health.

Covid-19 drug development is similar to that in Influenza and HIV

.It has potential to prevent H1N1 also.

We have a technique of Covid-19 detection using Gold Nano-particles. This is to detect Viral RNA in the sample using a biosensor molecule and Nanoparticles. Gold nanoparticle changes from Purple to Blue in presence of Viral protein.

This very concept of using **Gold/Silver/Copper** Nanoparticles that can kill Virus strains called **Oligodynamic - Effect** where Charged Particles or ions kill viruses.

We can store water in a Copper or Brass vessel and pour Nano Au/Ag/Cu (In India, Nano Gold is called Swarna Bhasma and found in medicine stores ).It is very potent against viral strains.

Then, **Zinc** possesses antiviral properties against a number of viral species. Zinc inhibit viral protease and polymerase enzymatic processes as well as physical processes such as viral attachment, infection and uncoating.It can also inhibit rhinovirus replication and against other respiratory viruses. It also reduces severity of cold symptoms by acting as an astringent on the trigeminal nerve.

**Iodine** is antiviral and also boosts immunity .It helps in growth and repair of damaged cells.It aids in healthy metabolism .It is an effective antiviral element that prevent viral infections.It can help spread of pathogen .

**Alkaloid** is an another ingredient that is found in dry fruits and thorny plants like Cactus and Aelovera.

**Morphine , Ipecac and 210 isoquinoline** regarded as target for antiviral properties.

Then finally, we have **ZAP (Zinc finger antiviral protein) technique** that is used against HIV .

ZAP is a host antiviral factor that inhibits replication of Certain Viruses by repressing the translation and promoting the degradation of the viral (m)RNA.

ZAPS binds directly to specific viral mRNAs and represses the translation of target mRNA by interfering with assembly of the translation initiation complex. Also, ZAPS promote target mRNA decay.

Lastly, **Egg protein** ,**Lysozyme** has anti-vital action by forming an insoluble complex with acidic viruses,enhance antibiotic effect ,anti-inflammatory ,anti-tumour ,directly activation of immune cells and anti-histaminic effects. This protein will compete with viral RNA for survival and will inhibit viral RNA growth.

Now, with above ingredients we want to form an anti- Covid-19 Drug .

**Percentage of ingredients:**

**50% -Au/Ag/Cu Nanoparticles or Swarna Bhasma**

**5-10% -Iodine**

**15-20% -Alkaloid**

**25% -Egg protein and ZAPS mix.**

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