

POSSIBLE COVID-19 VACCINES COULD COME IN VARIOUS FORMS, BUT EACH IS DESIGNED TO TEACH THE IMMUNE SYSTEM HOW TO RECOGNISE AND FIGHT OFF THE VIRUS:



Inactivated virus vaccine Whole virus

that has been chemically inactivated, so that it can no longer cause the disease



Live attenuated vaccine

Weakened virus that causes mild infection, and tends to create a strong, long-lasting immune response



Recombinant protein vaccine

Specific pieces of the virus (for example, spike protein) that are synthesised in a laboratory, and that the body recognises as a virus infection. This is linked to an adjuvant, a molecule which helps boost the immune response



Viral vector vaccine

Adenovirus (a group of common viruses) or other virus engineered to carry selected coronavirus genes



DNA plasmid, or ring, that encodes the coronavirus spike protein gene



RNA vaccine Lipid (fat) nanoparticle that encapsulates RNA encoding spike protein

Source: NATIONAL HEALTHCARE GROUP ILLUSTRATIONS: DR BENJAMIN SEET STRAITS TIMES GRAPHICS