


# Guide to: COVID-19 Vaccines



## mRNA

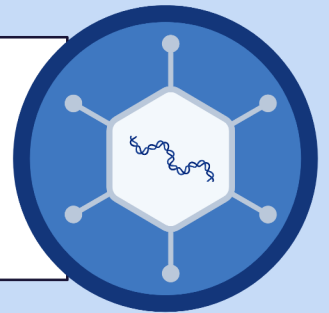
**Examples: Moderna, Pfizer/BioNTech**

A genetic recipe for making spike protein that can be picked up and translated by your cells

## Adenovirus

**Examples: AstraZeneca, Johnson & Johnson, Sputnik V**

A harmless, non-replicating virus that acts as a carrier to deliver the genetic recipe for spike protein into your cells



## Subunit/Protein

**Example: Novavax**

Instead of delivering genes to your cells, the spike protein is grown in a manufacturing facility

## Inactivated/Whole virus

**Examples: Sinovac, Sinopharm, Bharat Biotech**

The virus is grown in a manufacturing facility and chemically treated so that it cannot replicate

