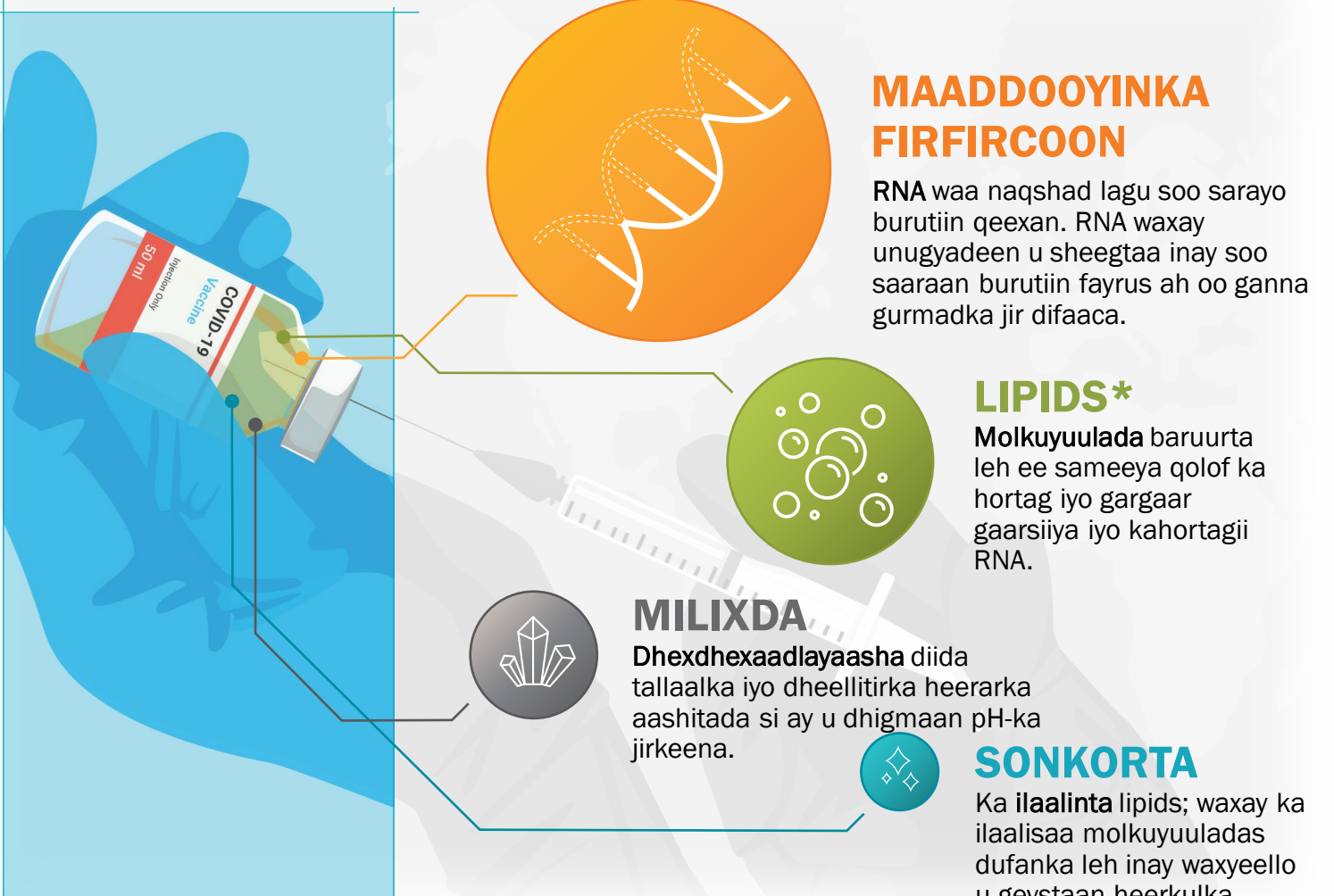


## Sirta Dhambaal-sidaha ee Tallaalka RNA COVID-19

Tallaallada COVID-19 waxaa sameeyey Pfizer-BioNTech iyo Moderna Waxay isticmaaleen dhambaal-side RNA (mRNA) si uu u kiciyo gurmada kaga yimaada habdhiska jirdifaaca. Tallaalkiiba waxa uu gaarsiiyaa maaddooyin firfircoon oo ka kooban maaddooyin iyo qeybo oo ka caawiya inuu dhiso ka hortag jirkaaga ka dhan ah cudurka.



### MAADDOOYINKA FIRFIRCOON

RNA waa naqshad lagu soo sarayo burutiin qeexan. RNA waxay unugyadeen u sheegtaa inay soo saaraan burutiin fayrus ah oo ganna gurmada jir difaaca.

### LIPIDS\*

Molkuyuulada baruurta leh ee sameeya qolof ka hortag iyo gargaar gaarsiiya iyo kahortagii RNA.

### MILIXDA

Dhexdhexaadlayaasha diida tallaalka iyo dheellitirka heerarka aashitada si ay u dhigmaan pH-ka jirkeena.

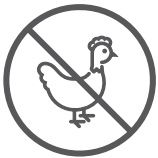
### SONKORTA

Ka ilaalinta lipids; waxay ka ilaalisaa molkuyuuladas dufanka leh inay waxyeello u geystaan heerkulka kaydinta aadka u qabow.

\*Labada tallaalka ee mRNA COVID-19 waxaa ka mid ah polyetylen glycol (PEG) 2000, dufan loo yaqaan xaalado dhif ah (in ka yar .001%) si ay ugu keento anaphylaxis dadka qaata tallaalka..



Ma bedelayo DNA



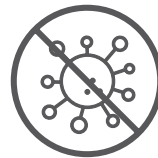
Ugxamo maleh ama badeeco oo xayawaan ilaalinyo



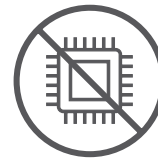
kale ah



Badeexada dhiiga



Ma jiro cinjir



Ma jir fayruus



Ma jiro gabal yar  
Ma jiro

- Labada tallaalka mRNA COVID-19 waa **95% inuu dhaqangalo** kadib markaad qaadato laba qiyaas qaadasho ah.
- Waa inaad heshaa laba qiyaasood oo **isla** tallaalka mRNA ah.
- Ilaalinta ugu badan waxay bilaabataa **14 maalmood** kadib qiyaastaada labaad.

Wixii macluumaad ah ee COVID-19, fadlan booqo:

[coronavirus-sd.com/vaccine](https://coronavirus-sd.com/vaccine)

