Understanding COVID-19 vaccine technologies currently approved for use in Canada

Developer	Pfizer-BioNTech	Moderna	AstraZeneca	Janssen (Johnson & Johnson)
Name / version*	BNT162b2	mRNA-1273	ChAdOx1 (AZD1222)	Ad.26.COV2.S
SARS-CoV-2 target	spike protein	spike protein	spike protein	spike protein
Туре	mRNA	mRNA	modified adenovirus	modified adenovirus
Storage	-70 degrees C (-25 to -15 degrees C for two weeks)	-25 to -15 degrees C	2 to 8 degrees C	2 to 8 degrees C
How does it work? SARS-CoV-2 spike protein	Pfizer and Moderna vaccin mRNA that encodes spike protein DNA that encodes spike protein Modified virus can't replic	nes Mater into a s that ate	Your body makes the spike protein rial is packaged a vaccine and dministered	Your immune system makes antibodies that recognize the spike protein
ŀ	AstraZeneca and Janssen va	ccines		

*Note that vaccine efficacy may depend on circulating variants, underscoring the need for continued SARS-CoV-2 sequencing by the CanCOGeN network and tracking of variants of concern (VOCs).

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