

Supplementary Materials

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Table S1 WHO approved 11 COVID-19 vaccines for the emergency use listing (EUL)

Vaccine type	Trade name	WHO EUL Holder	Country	Number of doses	First recommendation issued
messenger-RNA (mRNA) vaccine COVID-19 mRNA Vaccine (nucleoside modified)	COMIRNATY®	BioNTech Manufacturing GmbH	Germany	6 doses of 0.3 mL (after dilution)	31 Dec 2020
Recombinant adenovirus vector vaccine COVID-19 Vaccine (ChAdOx1-S [recombinant])	VAXZEVRIA	AstraZeneca AB / SK Bioscience Co. Ltd AstraZeneca AB	Sweden	8 doses (0.5 mL per dose) and 10 doses	15 Feb 2021
Recombinant adenovirus vector vaccine COVID-19 Vaccine (ChAdOx1-S [recombinant])	COVISHIELD™	Serum Institute of India Pvt. Ltd	India	2 doses (0.5 mL per dose) and 10 doses	15 Feb 2021
Recombinant adenovirus vector vaccine COVID-19 Vaccine (Ad26.COV2-S [recombinant])	N/A	Janssen–Cilag International NV	Belgium	5 doses (0.5 mL per dose)	12 Mar 2021
messenger-RNA (mRNA) vaccine	SPIKEVAX	Moderna Biotech	Spain	10 doses (0.5	30 Apr 2021

COVID-19 mRNA Vaccine (nucleoside modified)		ModernaTX, Inc		mL per dose)	
Inactivated vaccine Inactivated COVID-19 Vaccine (Vero Cell)	Not applicable	Beijing Institute of Biological Products Co., Ltd	China	1, 2 and 5 doses	07 May 2021
Inactivated vaccine COVID-19 Vaccine (Vero Cell), Inactivated	CoronaVac	Sinovac Life Sciences Co., Ltd	China	1 dose and 2 doses of 0.5 mL each	01 Jun 2021
Inactivated vaccine Covid-19 vaccine (Whole Virion Inactivated Corona Virus vaccine)	COVAXIN®	Bharat Biotech International Ltd	India	1, 5, 10 and 20 doses	03 Nov 2021
Recombinant S proteins subunit vaccine COVID-19 vaccine (SARS-CoV-2 rS Protein Nanoparticle [Recombinant])	COVOVAX™	Serum Institute of India Pvt. Ltd	India	1 and 10 doses	17 Dec 2021
Recombinant S proteins subunit vaccine COVID-19 vaccine (SARS-CoV-2 rS [Recombinant, adjuvanted])	NUVAXOVID™	Novavax CZ a.s.	Czech Republic	10 doses (0.5 mL per dose)	20 Dec 2021
Recombinant adenovirus vector vaccine	CONVIDECIA	CanSino Biologics Inc.	China	1 and 3 doses of	19 May 2022

COVID-19 Vaccine (Ad5-nCoV-S [Recombinant])				0.5 mL	
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