

Summary of status of development and availability of A(H5) non-A(H5N1) candidate vaccine viruses and potency testing reagents

Antigenic and genetic analyses are performed by the WHO Collaborating Centres of the Global Influenza Surveillance and Response System (GISRS). Unless otherwise indicated all candidate vaccine viruses posted on this table have passed two-way haemagglutination inhibition (HI) test. [National or Regional control authorities approve the composition and formulation of vaccines used in each country](#)

25 February 2022

Candidate vaccine viruses*

Subtype	Antigenic prototype	Clade	Candidate vaccine virus	Developing institute	Available from
H5N6	A/duck/Hyogo/1/2016	2.3.4.4e	Wild type virus		WHO CCs
			NIID-001*	NIID, Japan	NIID, Japan
	A/Sichuan/26221/2014	2.3.4.4a	Wild type virus		WHO CCs
			IDCDC-RG42A*	CCDC, China CDC, USA	CDC, USA
H5N8	A/gyrfalcon/Washington/41088-6/2014	2.3.4.4c	Wild type virus		WHO CCs
			IDCDC-RG43A*	CDC, USA	CDC, USA
	A/Astrakhan/3212/2020	2.3.4.4b	IDCDC-RG71A*#	CDC, USA	CDC, USA
			CBER-RG8A*#	CBER/FDA, USA	CBER/FDA, USA

*These viruses are candidate vaccine viruses which have passed relevant safety testing. They can be handled under BSL-2 enhanced containment¹.

New CVV shown in blue

¹ <http://www.who.int/biologicals/publications/trs/areas/vaccines/influenza/Annex%205%20human%20pandemic%20influenza.pdf?ua=1>

Candidate vaccine viruses in preparation

Subtype	Antigenic prototype	Clade	Developing Institute	Available from
H5N6	A/chicken/Viet Nam/NCVD-15A59/2015-like	2.3.4.4f	SJCRH, USA	Pending
H5N6	A/Guangdong/18SF020/2018-like	2.3.4.4h	CCDC, China HKU, China CDC, USA	Pending
H5N6	A/Hubei/29578/2016-like	2.3.4.4d	CCDC, China	Pending
H5N6	A/Fujian-Sanyuan/21099/2017-like	2.3.4.4b	CCDC, China	Pending
H5N6	A/chicken/Vietnam/RAHO4-CD-20-421/2020-like	2.3.4.4g	CDC, USA	Pending

Institutes contact details for candidate vaccine virus orders and other information:

CBER: CBERshippingrequests@fda.hhs.gov
CCDC: dayanwang@cnic.org.cn
CDC: dwentworth@cdc.gov (Subject: CVV Request)
NIID: nobusawa@nih.go.jp
SJCRH: richard.webby@stjude.org
HKU: malik@hkucc.hku.hk
WHO CCs: <https://www.who.int/initiatives/global-influenza-surveillance-and-response-system/who-collaboration-center-erl?CxitPEOtTWx0xUd5TJdODSXcnyJqzYd7FZeivpn7xcl=>

Candidate vaccine viruses and potency testing reagents for influenza A(H5N1) can be found on the WHO web site at http://www.who.int/influenza/vaccines/virus/candidates_reagents/a_h5n1/en/

For information of other type and subtype candidate vaccine viruses and potency testing reagents, please go to: <https://www.who.int/teams/global-influenza-programme/vaccines/who-recommendations/zoonotic-influenza-viruses-and-candidate-vaccine-viruses>

For general enquiries, please contact gisrs-whohq@who.int