

Influenza B Victoria lineage <u>egg-derived</u> candidate vaccine viruses for development and production of vaccines for use in the 2019-20 northern hemisphere influenza season

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

21 February 2019 (updated on 25 April 2019)

Candidate vaccine viruses

Parent virus	Candidate vaccine virus	Type of virus or reassortant	Developing institute	Available from
B/Colorado/06/2017	W	CDC, USA NIBSC, UK NIID Japan		
B/Alabama/2/2017	W	CDC, USA NIBSC, UK		
B/Maryland/15/2016	W	CDC, USA NIBSC, UK NIID Japan		
	NYMC BX-69		NYMC, USA	CDC, USA NIBSC, UK NYMC, USA
	NYMC BX-69A	Classical	NYMC, USA	CDC, USA NIBSC, UK NYMC, USA

Institutes contact details for candidate vaccine viruses orders/information:

CDC: <u>dwentworth@cdc.gov</u> (Subject: CVV request)
NIBSC: <u>standards@nibsc.org</u> or enquiries@nibsc.org

NIID: <u>flu-vaccine@nih.go.jp</u>
NYMC: <u>doris bucher@nymc.edu</u>

WHO CCs and ERLs: http://www.who.int/influenza/gisrs laboratory/collaborating centres/list/

Parent virus	Starting materials		Ref Ag	Unitage	Available
	Candidate vaccine virus	Egg or cell	Lot number	(μgHA/ml)	from
B/Maryland/15/2016	Wild type virus	Egg	18/100	58	NIBSC, UK
			2018/122B	80	TGA, Australia
	NYMC BX-69A	Egg	18/104	69	NIBSC, UK
			2018BVA	47	NIID, Japan
			2018BVB	81	NIID, Japan
B/Colorado/06/2017	Wild type	Egg	2018/124B	83	TGA, Australia

Sheep antisera

Purified HA from			
Parent virus	Egg or Cell	Order Lot number	Available from
B/Colorado/06/2017 – like	Egg	18/114	NIBSC, UK
		2018BV-1	NIID, Japan
		AS422	TGA, Australia
		AS429	TGA, Australia

The above-listed potency testing reagents have been developed with support from manufacturers, and calibrated by the WHO Essential Regulatory Laboratories (ERLs) of the Global Influenza Surveillance and Response System (GISRS).

ERLs contact details for reagents orders/information:

NIBSC: standards@nibsc.org or enquiries@nibsc.org

NIID: <u>flu-vaccine@nih.go.jp</u>

TGA: <u>influenza.reagents@health.gov.au</u>

The list of all WHO Collaborating Centres (CCs) and Essential Regulatory Laboratories (ERLs) for influenza can be found on the WHO web site at http://www.who.int/influenza/gisrs laboratory/collaborating centres/

For other candidate vaccine viruses and potency testing reagents, please go to http://www.who.int/influenza/vaccines/virus/candidates reagents/home/en/

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