

Summary of status of development and availability of A(H7) candidate vaccine viruses^{*}

^{*} 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.](#)

28 September 2017

Candidate vaccine viruses

Sub type	Antigenic prototype	Clade	Candidate vaccine virus	Type of virus or reassortant	Developing Institute	Available from
H7N1	A/mallard/Netherlands/12/2000	Eurasian	NIBRG-63	Reverse genetics	NIBSC, UK	NIBSC, UK
H7N1	A/turkey/Italy/3889/99	Eurasian	Wild-type		NIBSC, UK	NIBSC, UK
H7N2	A/turkey/Virginia/4529/2002	American	IBCDC-5	Classical reassortant	CDC, USA	CDC, USA
	A/New York/107/2003	American	NIBRG-109	Reverse genetics	NIBSC, UK	NIBSC, UK
H7N3	A/Canada/rv444/2004	American	161984-B	Reverse genetics	SJCRH, USA	SJCRH, USA CDC, USA
	A/mallard/Netherlands/12/2000	Eurasian	NIBRG-60	Reverse genetics	NIBSC, UK	NIBSC, UK
H7N7	A/mallard/Netherlands/12/2000 and A/mallard/Netherlands/2/2000	Eurasian	IBCDC-1 [#]	Classical reassortant	CDC, USA	CDC, USA

[#] HA from A/mallard/Netherlands/12/2000 and NA from A/mallard/Netherlands/2/2000

Reference antigens (freeze-dried)

Antigenic prototype	Starting materials		Ref Ag / Lot number	Unitage (µgHA/mL)	Available from
	CVV	Egg or Cell			
A/mallard/Netherlands/12/2000 (H7N7)	NIBRG-60	Egg	07/336	115	NIBSC, UK
A/New York/107/2003 (H7N2)	NIBRG-109	Egg	08/362	To be announced	NIBSC, UK

Sheep antisera

Purified HA from		Order Lot number	Available from
Antigenic prototype	Egg or Cell		
A/mallard/Netherlands/12/2000 (H7N1)	Egg	07/278	NIBSC, UK
A/New York/107/2003 (H7N2)	Egg	09/148	NIBSC, UK
A/chick/Italy/1374/99 (H7N1)	Egg	02/294	NIBSC, UK

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

CDC: dwentworth@cdc.gov (Subject: CVV request)

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

SJCRH: richard.webby@stjude.org

Candidate vaccine viruses and potency testing reagents for influenza A(H7N9) can be found on the WHO web site at http://www.who.int/influenza/vaccines/virus/candidates_reagents/a_h7n9/en/

For information of other type and subtype candidate vaccine viruses and potency testing reagents, please go to: <http://www.who.int/influenza/vaccines/virus/en/>

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