

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.](#)

29 September 2014

Candidate vaccine viruses

Sub type	Parent virus	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

*** New candidate vaccine virus**

Reference antigens (freeze-dried)

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

Sheep antisera

Purified HA from		Order Lot number	Available from
Parent virus	Egg or Cell		
A/mallard/Netherlands/12/2000	Egg	07/278	NIBSC, UK
A/New York/107/2003	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: rvd6@cdc.gov

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

SJCRH: richard.webby@stjude.org

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

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/>